

DEPARTMENT OF ENVIRONMENTAL QUALITY

PERMITTING & COMPLIANCE DIVISION

Community Services Bureau

MARC RACICOT, GOVERNOR Waste Management Section



STATE OF MONTANA

Phone: (406)444-4400

Fax: (406)444-1374

Metcalf Building

1520 E Sixth Ave

PO Box 200901

Helena, MT 59620-0901

August 24, 1998

Ron Thomas, Director Public Works

Big Timber City Landfill

P.O. Box 416

Big Timber, MT 59011

RE: Big Timber City Landfill (Lic. #308) Closure Inspection

Dear Mr. Thomas:

On August 18, 1998, Department personnel inspected the Big Timber City Landfill for compliance with the rules and regulations governing solid waste disposal in Montana. According to ARM 17.50.526(1), whenever violations of the laws and rules governing solid waste management are noted during the course of an inspection, we are required to notify the operator of the violations observed during the inspection. Enclosed you will find a copy of the field observation form. This report was based on the on-site observations taken at the time of inspection. No violations were noted during the inspection.

The purpose of carrying out inspections is to protect human health and the environment by ensuring compliance with State rules and regulations. We will try to provide any assistance you may need in order to comply with closure requirements. As per your request I have enclosed a copy of the Class IV Landfill regulations and the Composter Registration information. Thank you for your cooperation in this matter and please do not hesitate to contact this office if you have any questions or comments. We will reinspect the site next summer after you have completed the closure work.

Sincerely,

A handwritten signature in cursive script, reading "Andrea G. Vickory".

Andrea G. Vickory

Solid and Hazardous Waste Specialist

County Sweet Grass
Facility & # Big Timber 308
Closure
Finan Assur
GW Corr Meas
GW Monitoring
GW Reports
Inspections
Other:
5-1

Landfarm
Liner
Methane
O & M
Run - On

Enclosures: Copy of Field Observation Form, ARM Class IV, Composter Registration Form
File: f:\cb5405\wp\landfill\bigtimbe.308 (Revision 7/20/98)

INITIALS

DATE

8/24/98

SOLID WASTE OUTGOING CORRESPONDENCE ROUTE SLIP (ONLY)☐ **NEW APPLICATION**

Initial / Date

Rick T.
Pat C.
Nancy (Proof)
Cathy
Jon D.

☐ **NEW LICENSE**

Initial / Date

Rick T.
Pat C.
Nancy (Proof)
Carol
Cathy
Jon D.

☐ **HEALTH OFFICER CARD**

Initial / Date

Rick T.
Carol
Cathy

☒ **INSPECTIONS**

Initial / Date

Pat C.
Nancy (Proof)
Carol
Jon D.

☐ **INTERIM CLOSURES**

Initial / Date

Rick T.
Pat C.
Nancy (Proof)
Carol
Cathy
Jon D.

☐ **CLOSURES**

Initial / Date

Rick T.
Pat C.
Nancy (Proof)
Carol
Cathy
Jon D.

☐ **CHANGE IN LICENSE
FOR FEE STATUS**

Initial / Date

Rick T.
Pat C.
Nancy (Proof)
Cathy

☐ **COMPLAINTS**

Initial / Date

Pat C.
Nancy (Proof)
Carol (filing & DBase)

☐ **GROUND WATER**

Initial / Date

Nancy (Proof)
Pat C

☐ **GENERAL CORRESPONDENCE**

Initial / Date

Pat C. / Rick T.
Nancy (Proof)
Jon D. (As Needed)
Mark Steger Smith (As Needed)

☐ **MISCELLANEOUS**

Initial / Date

☐ **FILE**

Date: 8/18/98

Time: 12:55

SOLID WASTE MANAGEMENT SYSTEM CLOSURE INSPECTION FORM

Facility Name: Big Timber City Landfill License Number: 308
Owner/Operator: City of Big Timber Phone: 932-5611
Address: P.O. Box 4116 City: Big Timber STATE: MT 59011
General Site Location: _____
Landfill Representative(s): Ron Thomas, Public Works Director, Rick Gibby, Vince Kunda, City
Phil Moulden, City Counsel Counsel
DEQ Inspector: Andrea Vickory, F. Pat Crowley

AREAS OF REGULATORY COMPLIANCE

Compliance Issue:	Yes/No
(1) Minimum 18-Inch Infiltration Layer on All Wastes	<u>✓/1</u>
(2) Infiltration Layer Meets Minimum Permeability Standards <u>meets. 1×10^{-4}</u>	<u>✓/1</u>
(3) Minimum 6-Inch Erosion Layer on All Wastes <u>overall 2 ft. thick growth layer not yet.</u>	<u>✓/1</u>
(4) Run-On/Run-Off Controlled <u>grass controlled</u>	<u>✓/1</u>
(5) Site Revegetated Within 1 Year of Placement of Final Cover <u>planned</u>	<u>✓/1</u>
(6) Access to Site Controlled	<u>✓/1</u>
(7) Written Closure Plan on File and Approved	<u>✓/1</u>
(8) Notice of Intent to Close on File	<u>✓/1</u>
(9) Closure Activities 30 Days After Final Acceptance of Waste	<u>✓/1</u>
(10) Closure Activities Complete 180 Days After Beginning of Closure <u>extension granted</u>	<u>✓/1</u>
(11) Certification by Registered Engineer On File	<u>✓/1</u>
(12) Based on Inspection, DEQ Considers Site Closed <u>NA</u>	<u>1</u>
(13) Record of Notation on Deed in Operating Record <u>NA</u>	<u>1</u>
(14) Other	<u>1</u>

NOTES: Planting is planned for Spring 1999. Cleanup of rough layer, fill and level
remaining hole prior to final cover. A gradual taper of drainage is planned.
Disturbance of cover in Fall seems prohibitive due to high winds. Additional
6 inches of final cover utilizing USDA approved seed specifications
is planned. Recommendation was made that could go out for quotes and
proceed in the Spring.

Send Ron Thomas information + regulations of Class IV landfills
and registration form for composting. Time Left Site: 1:45 am/pm
Andrea J. Vickory SMW Specialist

Initials 8 Date 8/27/6

SOLID WASTE PROGRAM ROUTE SLIP

☐ **NEW APPLICATION**

Initial / Date

Jim W.
Jon D.
Proof
Cathy
Roger

☐ **NEW LICENSE**

Initial / Date

Jim W.
Jon D.
Proof
Carol
Cathy
Roger

☐ **HEALTH OFFICER CARD**

Initial / Date

Jim W.
Carol
Cathy

☒ **INSPECTIONS**

Initial / Date

Pat C.
Jon D.
Proof
Carol
~~Roger~~

RPC *8/28*
JD *8/28*
CU *8-28*
CU *8-28*

Mail 8-28 - Tom

☐ **INTERIM CLOSURES**

Initial / Date

Jim W.
Jon D.
Proof
Carol
Cathy
Roger

☐ **CLOSURES**

Initial / Date

Jim W.
Jon D.
Proof
Carol
Cathy
Roger

☐ **CHANGE IN LICENSE
FOR FEE STATUS**

Initial / Date

Jim W.
Jon D.
Proof
Cathy
Roger

☐ **COMPLAINTS**

Initial / Date

Pat C.
Jon D.
Proof
Roger
Carol (filing & DBase)

☐ **GENERAL CORRESPONDENCE**

Initial / Date

Pat C./Jim W.
Jon D.
Proof
Roger

☐ **MISCELLANEOUS**

Initial / Date

DEPARTMENT OF
ENVIRONMENTAL QUALITY
PERMITTING & COMPLIANCE DIVISION
SOLID WASTE MANAGEMENT PROGRAM

406/444-1430

FAX # (406) 444-1499



STATE OF MONTANA

OFFICE: 2209 PHOENIX AVE.
LOCATION: HELENA, MONTANA

MAILING: PO BOX 200901
ADDRESS: HELENA, MT 59620-0901

August 27, 1996

Honorable James A. Devenny
City of Big Timber
103 East Third
P.O. Box 416
Big Timber, Montana 59011

RE: City of Big Timber Class II Landfill #308 Inspection Report

Dear Mayor Devenny:

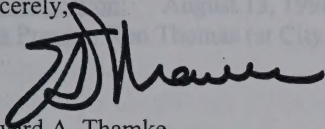
On August 13, 1996, I inspected the subject facility for compliance with the rules and regulations governing solid waste disposal in Montana. According to ARM 17.50.526(1), whenever violations of the laws and rules governing solid waste management are noted during the course of an inspection, we are required to notify the operator of the violations observed during the inspection. Enclosed you will find a copy of the on-site observation report and the official inspection report. The latter report was based on the on-site observation report taken at the time of inspection.

The official inspection report has been separated into various sections, such as General Operation and Maintenance Plan and Ground Water Monitoring Requirements. Each section has then been further divided into "Major Violations", "Minor Violations", and "Comments". Those sections in which no violations or comments were noted have not been included in this inspection report. Under the appropriate category, I have quoted the rule or regulation which was violated and an explanation of the specific problem.

Major violations need to be corrected immediately. If left uncorrected, these problems may result in future action by the Montana Department of Environmental Quality. Minor violations need prompt attention to prevent them from becoming major violations. All violations noted in the enclosed inspection report have to be corrected in order to bring your operation into compliance. Compliance deadlines are specified under each section as needed. Material discussed under "Comments" are only suggestions or observations, and are not requirements of State rules and regulations.

The purpose of carrying out inspections is to protect human health and the environment by ensuring compliance with State rules and regulations. We will try to provide any assistance you may need in order to comply. Thank you for your cooperation in this matter and please do not hesitate to contact this office if you have any questions or comments.

Sincerely,



Edward A. Thamke
Solid Waste Program

c: Ron Thomas, Director of Public Works, City of Big Timber, P.O. Box 416, Big Timber, MT 59011
Rod Fink, R.S., Sweet Grass County Health Dept., Courthouse, 400 3rd Ave. N., P.O. Box 111, Columbus, MT 59019

Enc: On-Site Observation Report
Inspection Report

General Operational and Maintenance Requirements

Major Violations:

ARM 17.50.511(1)(a) All Class II facilities using landfilling methods shall compact and cover solid waste with a layer of at least 6 inches of approved earth cover material at the end of each operating day or at more frequent intervals if necessary to control disease vectors, fires, odors, blowing litter, and scavenging.

Although the working face of the landfill had good compaction, daily cover is once again noted to be deficient. Poor daily cover has been noted as a violation in almost every previous inspection at the Big Timber Landfill. While the Solid Waste Program understands the need to save air space in disposal trenches, it cannot be done at the expense of appropriate daily cover. Poor cover leads to potential skunk and other rodent/disease carrying vectors as well as litter problems and potential fire problems.

Minor Violations:

ARM 17.50.510(6) Effective means shall be taken to control litter at solid waste storage and disposal facilities.

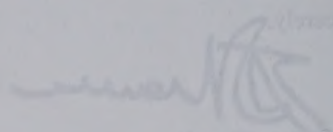
Litter was noted to be predominantly on-site and minor.

ARM 17.50.510(7) Owners or operators of all solid waste management systems must prevent or control on-site populations of disease vectors using techniques appropriate for the protection of human health and the

F:\...96inspec\BigTimbr.813

File: Sweet Grass County/City of Big Timber Class II #308/Field Investigations

The purpose of carrying out inspections is to protect human health and the environment by ensuring compliance with State rules and regulations. We will try to provide any assistance you may need in order to comply. Thank you for your cooperation in this matter and please do not hesitate to contact this office if you have any questions or comments.

Sincerely,

Edward A. Thoms
Solid Waste Program

John Thoms, Director of Public Works, City of Big Timber, P.O. Box 416, Big Timber, MT 59011
Rodrick E.S., Green Grass Camp Health Dept., Corner 4th and Ave. N., P.O. Box 117, Columbia, MT 59012

Enc: On-Site Observation Report
Inspection Report

P.O. Box 416, Big Timber, MT 59011
P.O. Box 117, Columbia, MT 59012

SOLID WASTE MANAGEMENT SITE/SYSTEM INSPECTION REPORT

(Revision 3/01/96)

Site Name: City of Big Timber Landfill

License #: Class II #308

Date of Inspection: August 13, 1996

Persons Present: Ron Thomas (at City Hall), Jay Graham, Ed Thamke

Applicable Acronyms

ARM = Administrative Rules of Montana

Department = Montana Department Environmental Quality

MSWLF = Municipal solid waste landfill

NESHAP = National Emission Standards for Hazardous Air Pollutants

CFR = Code of Federal Regulations

MCA = Montana Code Annotated

MSWMA = Montana Solid Waste Management Act

ARM 17.50.526(1) ENFORCEMENT If after an inspection the department determines that violation of the act or this subchapter is occurring, it shall notify the licensee of the nature of the violation.

General Operational and Maintenance Requirements

Major Violations:

ARM 17.50.511(1) (a) All Class II facilities using landfilling methods shall compact and cover solid waste with a layer of at least 6 inches of approved earth cover material at the end of each operating day or at more frequent intervals if necessary to control disease vectors, fires, odors, blowing litter, and scavenging.

Although the working face of the landfill had good compaction, daily cover is once again noted to be deficient. Poor daily cover has been noted as a violation in almost every previous inspection at the Big Timber Landfill. While the Solid Waste Program understands the need to save air space in disposal trenches, it cannot be done at the expense of appropriate daily cover. Poor cover leads to potential skunk and other rodent/disease carrying vectors, as well as litter problems, and potential fire problems.

Minor Violations:

ARM 17.50.510(6) Effective means shall be taken to control litter at solid waste storage and disposal facilities.

Litter was noted to be predominately on-site and minor.

ARM 17.50.510(7) Owners or operators of all solid waste management systems must prevent or control on-site populations of disease vectors using techniques appropriate for the protection of human health and the environment.

This item will always be a violation as long as there is poor cover and litter control.

Ground Water Monitoring Requirements

No Violations Noted

Comments: *The City of Big Timber has an approved ground water monitoring program. The results in our file are from the January 1996 sampling event. We appreciate your continued cooperation regarding ground water issues with Pat Potts of our Program.*

Leachate Collection Requirements

No Violations Noted

Comments: *The landfill has a leachate collection system, but has not generated enough leachate to sample according to Jay Graham.*

Burn Pile Management Requirements

No Violations Noted

Comments: *The last burn permit issued for the site (#L.F. 536) expired July 8, 1996. Jay said that you were able to get the burn done. The new pile that is accumulating had only a minor amount of contaminants that Jay will have to pick out by hand.*

Regulated Hazardous Waste Detection and Disposal Prevention

No Violations Noted

Comments: *The random inspection plan was approved by our Program in September 1994. Landfill personnel perform approximately 1 inspection per month. Documentation of inspections are kept in the landfill's operational record keeping system.*

Landfill Gas Monitoring

No Violations Noted

Comments: *Big Timber Landfill personnel perform their own methane monitoring on a quarterly basis. No landfill gas reports have been submitted since the September 1994 event. When I brought this to Jay's attention, he photocopied all of his field logs which I put into our file. Please make a note to copy us in future landfill gas sampling events.*

Run-on/Run-off Control Requirements

No Violations Noted

Comments: *All surface water controls appear to be functioning properly.*

Special Waste Handling

No Violations Noted

Comments: *Refrigeration units are not accepted without documentation that CFCs have been removed. White goods are disposed of into the working face and are not recycled. Dead animals are also disposed of at the working face. Facility does not accept asbestos. Big Timber does have an approved landfarm, but only accepts a small volume of contaminated soils that is generated from within the county.*

Examination of Operation Records

No Violations Noted

Comments: *Jay was generally able to produce all of the operational records I asked to see; however, if he was not around, I'm not sure anyone could find them. I suggest putting some energy into organizing*

No Violations Noted
Comments: Jap was generally able to produce all of the operational records I asked to see; however, if he was not around, I'm not sure anyone could find them. I suggest putting some energy into organizing

Examination of Operation Records

No Violations Noted
Comments: Rightington mill was not accepted without documentation that CTCs have been removed. While goods are disposed of into the working face and are not recycled. Used materials are also disposed of at the working face. Facility does not accept asbestos. Big Timber does have an approved landfill, but only accepts a small volume of contaminated soils that is generated from within the county.

Special Waste Handling

No Violations Noted
Comments: All surface water controls appear to be functioning properly.

Run-off from Off-Campus Runways

No Violations Noted
Comments: Big Timber Landfill personnel perform their own methane monitoring on a quarterly basis. No landfill gas reports have been submitted since the September 1994 event. When I brought this to Jay's attention, he photographed all of his field logs which I put into our file. I have made a note to copy in the future landfill gas sampling events.

Landfill Gas Monitoring

No Violations Noted
Comments: The random inspection plan was approved by our Program in September 1994. Landfill personnel perform approximately 1 inspection per month. Documentation of inspections are kept in the landfill's operational record keeping system.

Revised Hazardous Waste Detection and Disposal Protocol

No Violations Noted
Comments: The last burn permit issued for the site (SL E 236) expired July 6 1996. Jay said that you were able to get the burn done. The new rule that is accumulating had only a minor amount of contaminants that Jay will have to pick out by hand.

Run Pile Management Requirements

No Violations Noted
Comments: The landfill has a leachate collection system, but has not generated enough leachate to sample according to Jay Graham.

Leachate Collection Requirements

No Violations Noted
Comments: The City of Big Timber has an approved ground water monitoring program. The records in our file are from the January 1996 sampling event. It's appropriate your continued cooperation regarding ground water issues with the focus of our Program.

Ground Water Monitoring Requirements

and labeling all landfill operational records so that you, landfill inspectors, or anyone interested in reviewing the files could find what they want. The only records not being kept were analytical characterization and acceptance forms for petroleum contaminated soil. I advised Jay that you should document these to protect yourself. For your information, I include the following citations.

ARM 17.50.511(1)(e) Owners or operators of all Class II landfill units must implement a program at the facility for detecting and preventing the disposal of regulated hazardous wastes or polychlorinated biphenyls (PCB) wastes. This program must include, at a minimum:

- (ii) Records of any inspections;
- (iii) Training of facility personnel to recognize regulated hazardous waste and PCB wastes;

ARM 17.50.511(1)(p) The owner or operator of a Class II disposal unit must record and retain at the facility or at an alternative location approved by the department, an operating record containing the following information as it becomes available:

- (i) Any location restriction demonstration required under this subchapter;
- (ii) Inspection records, training procedures, and notification procedures required under this subchapter;
- (iii) Gas monitoring results from monitoring and any remediation plans required by this subchapter;
- (iv) Any design documentation for construction or the placement of leachate or gas condensate in a landfill unit as required under this subchapter;
- (v) Any demonstration, certification, finding, monitoring, testing, or analytical data required by department ground water monitoring regulations found in ARM 17.50.701 et seq.;
- (vi) Closure and post-closure care plans and any monitoring, testing, or analytical data required by this subchapter;
- (vii) Any cost estimates and financial assurance documentation required by this subchapter;
- (viii) Any information demonstrating compliance with and approval of the small community exemption; and
- (ix) Any waste quantity records required under this subchapter.

ARM 17.50.709(4) A copy of all plans, reports, studies and other ground water monitoring methods or activities must be supplied to the department and placed in the operating record.

40 CFR 61.154(e) For all asbestos-containing waste material received, the owner or operator of the active waste disposal site shall:

- (1) Maintain waste shipment records
- (4) Retain a copy of all records and reports required by this paragraph for at least 2 years.

40 CFR 61.154(f) Maintain, until closure, records of the location, depth and area, and quantity in cubic meters (cubic yards) of asbestos-containing waste material within the disposal site on a map or diagram of the disposal area.

40 CFR 61.154(i) Furnish upon request, and make available during normal business hours for inspection by the Administrator, all records required under this section.

and labeling all landfill operational records so that your landfill inspectors or anyone interested in reviewing the files could find what they want. The only records not being kept were analytical characterization and acceptance forms for petroleum contaminated soil. I advised you that you should document these to protect yourself. For your information, I include the following citations:

ARM 17.30.21(1)(e) Owners or operators of all Class II landfill units must implement a program at the facility for detecting and preventing the disposal of regulated hazardous wastes or polychlorinated biphenyls (PCB) wastes. This program must include, at a minimum:

- (iii) Records of any inspections;
- (iii) Training of facility personnel to recognize regulated hazardous waste and PCB wastes;

ARM 17.30.21(1)(p) The owner or operator of a Class II disposal unit must record and retain at the facility or at an alternative location approved by the department, an operating record containing the following information as it becomes available:

- (i) Any location restriction demonstration required under this subchapter;
- (ii) Inspection records, training procedures, and notification procedures required under this subchapter;
- (iii) Gas monitoring results from monitoring and any remediation plans required by this subchapter;
- (iv) Any design documentation for construction or placement of leachate or gas condensate in a landfill unit as required under this subchapter;
- (v) Any demonstration, certification, finding, monitoring, testing, or analytical data required by department ground water monitoring regulations found in ARM 17.30.701 et seq.;
- (vi) Closure and post-closure care plans and any monitoring, testing, or analytical data required by this subchapter;
- (vii) Any cost estimates and financial assurance documentation required by this subchapter;
- (viii) Any information demonstrating compliance with and approval of the local community, exemption; and
- (ix) Any waste quantity records required under this subchapter.

ARM 17.30.709(4) A copy of all plans, reports, studies and other ground water monitoring methods or activities must be supplied to the department and placed in the operating record.

40 CFR 61.154(e) For all asbestos-containing waste material received, the owner or operator of the active waste disposal site shall:

- (1) Maintain waste shipment records;
- (4) Retain a copy of all records and reports required by this paragraph for at least 2 years.

40 CFR 61.154(f) Maintain, until closure, records of the location, depth and area, and quantity in cubic meters (cubic yards) of asbestos-containing waste material within the disposal site on a map or diagram of the disposal area.

40 CFR 61.154(g) Furnish upon request, and make available during normal business hours for inspection by the Administrator, all records required under this section.

Dept. of Health and Environmental Sciences
Solid and Hazardous Waste Bureau
P.O. Box 200901
Cogswell Building
Helena, Montana 59620-0901
(406) 444-1430

Date: 8/13/16
Time of Arrival: 8:30
Time of Departure: 10:30
Total Hours: 2.0

SOLID WASTE MANAGEMENT SITE/SYSTEM - ON-SITE OBSERVATION FORM
(This is not the Notice of Violation mentioned in Section 75-10-227, MCA)

Facility Name City of Big Timber Landfill License No. 308
Solid Waste Management Site/System Description Class II Municipal Solid waste Landfill
Location East of Town
Owner City of Big Timber Phone 932-5611
Address P.O. Box 8416 City Big Timber, MT 59011
Operator Bob Thomas & Jay Graham Phone _____
Address Same City _____, MT _____
Landfill Representative(s) Present Bob & Jay Title _____
Title _____
DHES Representative(s) Present Ed Thumke Title SHW Specialist
DEF _____ Title _____

(Answer all questions; mark N/A if not applicable; please print)

A. General Operational and Maintenance Requirements

Areas of Concern
Yes No N/A

- Operational Records located where? City Hall
- Dumping confined to a manageable area? (ARM 16.14.520(4)) ☒
- Refuse properly covered after each operating day? (ARM 16.14.521(1)(a))
a) Alternative Daily Cover in use? (ARM 16.14.521(1)(a)) ☒
b) If so, what kind? ☒
- If a Class III landfill, covered at least quarterly? (ARM 16.14.521(2)) ☒
- Daily Spreading and compaction of refuse adequate? (ARM 16.14.521(1)(a)) ☒
- Depth, spreading, and grading of intermediate cover adequate? (ARM 16.14.521(1)(a)) ☒
- Final cover on filled areas? (ARM 16.14.530(1)(a)) ☒
- Rodents and insects controlled? (ARM 16.14.520(7)) ☒
- Blowing litter controlled? (ARM 16.14.520(6)) Small Amount ON-SITE ☒
- Access to site controlled? (ARM 16.14.520(4) and (5))
Sign(s) ☒
Gate(s) ☒
Fences(s) (ARM 16.14.521(1)(c)) ☒
Supervision ☒
- Approach road properly maintained? (ARM 16.14.505(1)(b)) ☒
- Solid Waste Management facility equipment visible on-site? in shed ☒
a) If so, what kind(s) _____
- Where refuse containers are utilized, are they maintained and kept in a sanitary manner? (ARM 16.14.521(1)(d)) ☒
a) Are they emptied at least once a week? (ARM 16.14.521(1)(d)) ☒
- Salvaging going on? (ARM 16.14.520(8)) ☒
a) Approved salvaging plan on-file with DHES? ☒
- What method is used to measure waste volumes? (ARM 16.14.521(1)(c)) Scale

a) How often is volume measured? Trucks weigh 3x per week.

BRIEF SUMMARY OF THE RULES AND REGULATIONS GOVERNING SOLID WASTE DISPOSAL IN MONTANA

ARM = Administrative Rules of Montana
Department = Montana Department of Health and Environmental Sciences
MSWLF = Municipal solid waste landfill
NESHAP = National Emission Standards for Hazardous Air Pollutants

CFR = Code of Federal Register
MCA = Montana Code Annotated
MSWMA = Montana Solid Waste Management Act

A. General Operational and Maintenance Requirements

ARM 16.14.505(1)(b) Where public use or year round access is contemplated, access roads and bridges must be capable of supporting loaded vehicles during all types of weather.

ARM 16.14.520(4) Dumping of solid waste must be confined to areas within the disposal facility that can be effectively maintained and operated in accordance with this rule. This must be controlled by supervision, fencing, signs or similar means approved by the department.

ARM 16.14.520(5) Owners or operators of all solid waste management systems must control public access and prevent unauthorized vehicular traffic and illegal dumping of wastes by using artificial barriers, natural barriers, or both, as appropriate to protect human health and the environment.

ARM 16.14.520(6) Effective means shall be taken to control litter at solid waste storage and disposal facilities.

ARM 16.14.520(7) Owners or operators of all solid waste management systems must prevent or control on-site populations of disease vectors using techniques appropriate for the protection of human health and the environment.

ARM 16.14.520(8) Salvaging of materials at all facilities is expressly prohibited unless the owner or operator demonstrates to the department's satisfaction that it can be done in a manner protective of human health and the environment.

ARM 16.14.521(1)(a) All Class II facilities using landfilling methods shall compact and cover solid waste with a layer of at least six (6) inches of approved earth cover material at the end of each operating day or at more frequent intervals if necessary to control disease vectors, fires, odors, blowing litter, and scavenging. Alternative daily cover materials such as geotextile fabrics, foams, compost, or other materials may be used in place of the six inches of approved earthen cover material only when approved by the department. The use of alternative daily cover materials must be done under a plan of operations approved of in advance by the department. The plan of operations for the use of alternative daily cover materials must include provisions for the application of six inches of approved earthen cover material at least once per week. The owner or operator must demonstrate to the department that the alternative material and thickness control disease vectors, fires, odors, blowing litter, and scavenging without presenting a threat to human health and the environment. Any portion of a Class II landfill unit that will not receive additional waste within 90 days must have an intermediate cover of at least one foot of approved earthen materials. These steps must be taken unless the department is satisfied that the licensee has shown good cause for not covering.

ARM 16.14.521(1)(c) Landfills must be fenced to prevent unauthorized access and must be supervised when open.

ARM 16.14.521(1)(d) Where transfer stations are utilized as part of a management system for Group II solid wastes, all containers must be maintained and kept in a sanitary manner and emptied at least once a week.

ARM 16.14.521(1)(o) Class II landfill facilities must weigh or otherwise accurately record all volumes of waste entering the facility.

ARM 16.14.521(2) Although Class III landfills are not required to cover wastes in disposal areas by earth materials daily, the wastes must be covered at least quarterly with six inches of a department approved earthen cover material.

ARM 16.14.530(1)(a) Owners or operators of all Class II landfill units must install a final cover system that is designed to minimize infiltration and erosion.

Section 75-10-221(1), MCA (MSWMA) . . . no person may dispose of solid waste or operate a solid waste management system without a license from the department.

Section 75-10-227(1), MCA (MSWMA) When the department believes that a violation of part 1 or this part, a violation of a rule adopted under part 1 or this part, or a violation of a permit provision has occurred, it may serve written notice of the violation on the alleged violator or his agent. The notice must specify the provision of law, rule, or permit alleged to be violated and the facts alleged to constitute a violation and may include an order to take necessary corrective action within a reasonable period of time stated in the order. . . . (For the complete law, please refer to the Montana Solid Waste Management Act.)

B. Ground Water Monitoring Requirements

ARM 16.14.701(2) Compliance with the requirements of this subchapter must be implemented according to the following schedule:

- (a) All new Class II units must be in compliance with this subchapter and initial sampling must be completed before waste can be placed in the unit;
- (b) Existing Class II units and lateral expansions that serve a geographic area with a population of 5,000 or more persons must be in compliance with all requirements of this subchapter and have commenced ground water monitoring by October 9, 1993; and
- (c) Existing Class II disposal units and lateral expansions that serve a geographic area with a population of 4,999 persons or less, . . . must comply with this subchapter according to the following schedule:
 - (i) Existing Class II disposal units and lateral expansions less than one mile from a drinking water intake (surface or subsurface) must be in compliance and have commenced ground water monitoring by October 9, 1994;
 - (ii) Existing Class II disposal units and lateral expansions greater than one mile but less than two miles from a drinking water intake (surface or subsurface) must be in compliance and have commenced ground water monitoring by October 9, 1995;
 - (iii) Existing Class II disposal units and lateral expansions greater than two miles from a drinking water intake (surface or subsurface) must be in compliance and have commenced ground water monitoring by October 9, 1996.

ARM 16.14.704(1) The background groundwater quality monitoring well(s) must be located so as to monitor the quality of groundwater representative of the groundwater passing the relevant point of compliance that has not been affected by leakage from the unit. At least one background water quality monitoring well is required at all

NOTES:

Litter & Cover in violation on 1/16/6 violation.

B. Ground Water Monitoring Requirements

Areas of Concern
Yes No N/A

1. Does the facility have an approved monitoring program? (ARM 16.14.701(2)) 7
2. How many wells are in the sampling program? (ARM 16.14.704(1)) 7
3. Are the wells sealed at ground level? (ARM 16.14.705(7)(c)) ✓
4. Are the wells locked? (ARM 16.14.705(8)) ✓
5. Does the site have a No Migration Petition? (ARM 16.14.714(1)) ✓

NOTES: MAXIM DOES G.W. SAMPLING. LAST REPORT IN B.T. FILE IS FROM?
B.T. DOES MONTHLY GROUNDWATER LEVELS (SWL)

C. Leachate Collection Requirements

Yes No N/A

1. Does the municipal solid waste landfill (MSWLF) have a leachate collection program? (ARM 16.14.506(1)(b))
a) What happens to the leachate? NOT ENOUGH TO SAMPLE.
- b) How often is it sampled?

NOTES: EXISTING CELL ~~IS~~ FOOTPRINT.

D. Burn Pile Management Requirements

Yes No N/A

1. Does site burn untreated wood waste and is it controlled? (ARM 16.14.520(2)) ✓
2. Has an Air Quality Bureau permit been issued? (ARM 16.8.1307(1)(b))
a) Will burn be completed within 24 hours? (ARM 16.8.1307(2)(b)) ✓
3. Has burn pile been contaminated? (ARM 16.8.1307(1)(b)) ✓
a) If so, with what?

NOTES: AQ Burn Permit # L.F. - S36 EXPIRED 7/8/96 GOT BURN DONE.

E. Regulated Hazardous Waste Detection and Disposal Prevention

Yes No N/A

1. Does the municipal solid waste landfill (MSWLF) have an approved regulated hazardous waste and polychlorinated biphenyl (PCB) waste screening program at the facility? (ARM 16.14.521(1)(e)) ✓
2. Does the MSWLF perform random inspections? (ARM 16.14.521(1)(e)(i)) ✓
a) How often? 1X PER MONTH
3. What material is screened? LOAD SCREEN

NOTES: Record keeping in violation on 1/16/6 inspection.

BRIEF SUMMARY OF THE RULES AND REGULATIONS GOVERNING SOLID WASTE DISPOSAL IN MONTANA -- CONTINUED

facilities. At least two background wells must be installed at facilities where statistics will be utilized for groundwater quality data evaluation unless it can be demonstrated to the department's satisfaction that a single well will suffice for the statistical test method chosen for ARM 16.14.706.

ARM 16.14.705(7)(c) All monitoring wells must be constructed:

- (c) With grout or other seal material extended down to within five feet of the zone being monitored.

ARM 16.14.705(8) All groundwater monitoring wells shall have caps to prevent contaminants from entering the monitoring device. All monitoring wells shall have protective outer casings and locking lids. The lids shall be kept locked. The department may require additional protective devices such as rings or brightly colored posts around any monitoring device.

ARM 16.14.714(1) Groundwater monitoring at a facility may be waived by the department if the facility owner or operator can demonstrate there is no potential for hazardous constituents to contaminate the uppermost aquifer.

C. Leachate Collection Requirements

ARM 16.14.506(1)(b) New Class II landfill units and lateral expansions must be constructed:

- (b) With a composite liner and a leachate collection system. . . .

D. Burn Pile Management Requirements

ARM 16.14.520(2) Open burning at all facilities is prohibited unless a permit has been obtained from the department.

ARM 16.8.1307(1)(b) The department may issue a conditional air quality open burning permit for the disposal of:

- (b) Untreated wood waste at licensed landfill sites

ARM 16.8.1307(2)(b) An air quality open burning permit issued under this rule is valid for . . . :

- (b) untreated wood waste at licensed landfill sites -- single burn. A new permit must be obtained for each burn.

E. Regulated Hazardous Waste Detection and Disposal Prevention

ARM 16.14.521(1)(e) Owners or operators of all Class II landfill units must implement a program at the facility for detecting and preventing the disposal of regulated hazardous wastes or polychlorinated biphenyls (PCB) wastes. This program must include, at a minimum:

- (i) Random inspections of incoming loads unless the owner or operator takes other steps to ensure that incoming loads do not contain regulated hazardous wastes or PCB wastes;
- (ii) Records of any inspections;
- (iii) Training of facility personnel to recognize regulated hazardous waste and PCB wastes

F. Landfill Gas Monitoring

ARM 16.14.521(1)(g) Owners or operators of all Class II landfill units must implement a department approved routine methane monitoring program that ensures that the standards of (f) of this subsection are met and that meets the following requirements:

- (i) The type and frequency of monitoring must be determined based on the following factors:
 - (A) Soil conditions;
 - (B) The hydrogeologic conditions surrounding the facility;
 - (C) The hydraulic conditions surrounding the facility; and
 - (D) The location of facility structures and property boundaries.

G. Run-on/Run-off Control Requirements

ARM 16.14.521(1)(j) Owners or operators of all Class II disposal units must design, construct, and maintain:

- (i) A run-on control system to prevent flow onto the active portion of the landfill during the peak discharge from a 25-year storm;
- (ii) A run-off control system from the active portion of the landfill to collect and control at least the water volume resulting from a 24-hour, 25-year storm.

ARM 16.20.1301 et. seq. The purpose of this subchapter . . . is to establish and implement one common system for issuing permits for point sources discharging pollutants into state waters, and is intended to allow the board and department to administer a pollutant discharge permit system which is compatible with the National Pollutant Discharge Elimination System as established by the U.S. Environmental Protection Agency. . . .

H. Special Waste Handling

Clean Air Act of 1990 Effective July 1, 1992, it shall be unlawful for any person, in the course of maintaining, servicing, repairing, or disposing of any appliance or industrial process refrigeration, to knowingly vent or otherwise knowingly release or dispose of any Class I or Class II substance used as a refrigerant in such appliance (or industrial process refrigeration) in a manner which permits such substance to enter the environment.

F. Landfill Gas Monitoring

1. Does the MSWLF have an approved methane gas monitoring program? (ARM 16.14.521(1)(g)) *verbal location 10/94*
2. How many permanent methane monitoring stations does the facility have? 4
3. How many temporary bore holes used? LEACHATE RISER
4. Are all facility buildings tested for methane? ✓
- a) Which ones? All
- b) What instrument is used? _____
5. How often are they sampled? (ARM 16.14.521(1)(g)(i)) Quarterly
6. Readings reported in percent lower explosion limit (% LEL) for methane, percent volume of explosive gas in air, or in parts per million (ppm) of combustible gases? _____
7. Department checks conducted on wells? ✓
- a) Results? _____

Areas of Concern

Yes No N/A

✓ — —

✓ — —

— ✓ —

NOTES: LAST REPORT on file is from 10/94 EVANT. Row on July NEEDS to copy us.
They use a mini-gas to test.

G. Run-on/Run-off Control Requirements

1. Does the MSWLF have a run-on control system? (ARM 16.14.521(1)(j)(i))
2. Does the MSWLF have a run-off control system? (ARM 16.14.521(1)(j)(ii))
3. Does the site have a Montana Pollutant Discharge Elimination System (MPDES) permit? (ARM 16.20.1301 et. seq.)
- b) What is its permit number? _____

Yes No N/A

✓ — —

✓ — —

— ✓ —

NOTES: _____

H. Special Waste Handling

1. White goods stored on-site? *Don't take Refrigerators w/out CFC removed.*
- a) If so, has CFC removal been documented? (Clean Air Act of November 1990)
- b) Have refrigerator doors been sealed or disabled? (§ 45-8-113(a), MCA)
- c) Are White Goods recycled?
- d) By whom?
- e) How often are they removed from site?
2. Dead animals accepted?
- a) If so, does the facility have a special disposal area?
- b) Where is it located? working face
3. Is asbestos disposed on-site?
- a) If so, is there a special disposal area for it?
- b) A map available?
- c) Covered with at least six inches of soil?
- d) If closed, has the disposal site operator informed EPA as to the location and amount of waste deposited? (40 CFR § 61.154(g))
- e) If closed, has a notification concerning the presence of asbestos waste been placed on the deed to the property?
4. Does the site landfarm contaminated soils?
- a) If so, is it part of the approved operations?
- b) Where is it located? _____

Yes No N/A

✓ ✓ —

✓ — ✓

— ✓ —

✓ — —

— ✓ —

— — —

— — —

— — —

— — —

— — —

✓ — —

✓ — —

NOTES: _____

Section 45-8-113(1)(a), MCA (MSWMA) A person commits the offense of creating a hazard if he knowingly:

- (a) discards in any place where it might attract children a container having a compartment of more than 1½ cubic feet capacity and a door or lid that locks or fastens automatically when closed and cannot easily be opened from the inside and fails to remove the door, lid, or locking or fastening device;

40 CFR § 61.154(g) (NESHAP) Upon closure, comply with all the provisions of 40 CFR § 61.151.

J. Examination of Operation Records

ARM 16.14.521(1)(e) Owners or operators of all Class II landfill units must implement a program at the facility for detecting and preventing the disposal of regulated hazardous wastes or polychlorinated biphenyls (PCB) wastes. This program must include, at a minimum:

- (ii) Records of any inspections;
- (iii) Training of facility personnel to recognize regulated hazardous waste and PCB wastes . . .

ARM 16.14.521(1)(p) The owner or operator of a Class II disposal unit must record and retain at the facility or at an alternative location approved by the department, an operating record containing the following information as it becomes available:

- (i) Any location restriction demonstration required under this subchapter;
- (ii) Inspection records, training procedures, and notification procedures required under this subchapter;
- (iii) Gas monitoring results from monitoring and any remediation plans required by this subchapter;
- (iv) Any design documentation for construction or the placement of leachate or gas condensate in a landfill unit as required under this subchapter;
- (v) Any demonstration, certification, finding, monitoring, testing, or analytical data required by department ground water monitoring regulations found in ARM 16.14.701 *et. seq.*;
- (vi) Closure and post-closure care plans and any monitoring, testing, or analytical data of required by this subchapter;
- (vii) Any cost estimates and financial assurance documentation required by this subchapter;
- (viii) Any information demonstrating compliance with and approval of the small community exemption; and
- (ix) Any waste quantity records required under this subchapter.

ARM 16.14.707(4) A copy of all plans, reports, studies and other ground water monitoring methods or activities must be supplied to the department and placed in the operating record.

40 CFR 61.154(e)(1) For all asbestos-containing waste material received, the owner/operator of the MSWLF shall maintain waste shipment records.

40 CFR 61.154(e)(4) For all asbestos-containing waste material received, the owner/operator of the MSWLF shall retain a copy of all records and reports required by this paragraph for at least two years.

40 CFR 61.154(f) Maintain, until closure, records of the location, depth and area, and quantity in cubic meters (cubic yards) of asbestos-containing waste material within the disposal site on a map or diagram of the disposal area.

40 CFR 61.154(i) Furnish upon request and make available during normal business hours for inspection by the Administrator, all records required under this section.

ARM 16.14.405(1) Except as provided in 75-10-214, MCA, no person may dispose of solid waste or operate or maintain a solid waste management system after July 1, 1991 without an operating license from the department. The license period shall be for a base year from July 1 of one year through Jun 30 of the subsequent year.

ARM 16.14.405(1)(b) The department shall mail invoices for license renewal fees to license holders by June 15 of each year. License renewal fees will be calculated in accordance with Table 1, "Annual License Fee Schedule". Any solid waste management facility that does not fit into one of the categories listed in Table 1 shall be assessed fees no greater than major Class II landfill facilities. Payment of renewal fees may be submitted to the department quarterly, with the first payment due on or before July 31 of each base year. Failure to submit payments when due shall subject the license holder to the provisions of Section 75-10-116, MCA.

K. Additional Questions

ARM 16.14.406(3) In addition to the volume based fee specified in (1) of this rule, any person licensed to dispose of or incinerate solid waste shall submit to the department a quarterly fee of \$0.27 per ton of solid waste generated outside Montana and disposed of or incinerated within Montana. All facilities that accept wastes from outside Montana for the purpose of incineration or disposal must weigh the wastes accepted at the facility to accurately determine the volume accepted.

ARM 16.14.406(4) Each facility receiving waste generated outside Montana must record the weights of all out-of-state waste received and such records must be placed in the operating record and must be reported to the Department in the annual report specified in ARM 16.14.407.

I. Waste Reduction

Areas of Concern

Yes No N/A

1. Does the facility **recycle**?

a) What is recycled?

Used Oil

Aluminum Cans

Steel Cans/Scrap Metal

Glass

Paper

Batteries (Wet/Dry Cell)

Newspaper

Other

b) What is the frequency of removal?

c) Where are the recyclables taken?

—	✓	—
—	—	+
—	—	+
—	—	+
—	—	+
—	—	+
—	—	+
—	—	+

2. Does the facility **compost**?

a) What composting method is used?

b) What is composted?

c) What is the compost used for?

d) Is it contaminated?

3. Does the facility have a household hazardous waste collection area?

a) If so, what is collected?

b) How often is the material removed and who removes it?

c) What is the final disposition of the collected material?

—	✓	—
—	—	+
—	—	+

NOTES:

J. Examination of Operation Records (see ARM 16.14.521(1) (p))

Yes No N/A

1. Does the MSWLF have **weight/volume** records on-site? *Cin Hall*

2. Are **ground water monitoring** records on-site? (ARM 16.14.707(4))

a) If not, where are they?

b) When were the wells last sampled?

c) What was it sampled for?

✓	—	—
—	—	—

3. Does the MSWLF have records of **HW screenings**? (ARM 16.14.521(1) (e) (ii))

a) Where are they located?

b) Any records of personnel training? (ARM 16.14.521(1) (e) (iii))

4. Does the facility have on-site records of **landfill gas monitoring**?

5. Are **asbestos** waste shipment records maintained? (40 CFR § 61.154(e) (1))

a) Are copies of all required records and reports

retained for 2 years? (40 CFR § 61.154(e) (4))

b) Are records available for inspection? (40 CFR § 61.154(i))

c) Is a map or diagram of the asbestos disposal area being maintained? (40 CFR § 61.154(f))

6. In regard to **landfills**, are waste shipment records maintained?

a) Is the material typically analyzed?

b) What is the soil tested for? *Asbestos*

✓	—	—
✓	—	—
✓	—	—
—	✓	—
—	—	+
—	—	+
✓	—	—
—	✓	—

Need to track in coming year.

b) What volume of soils are accepted annually?

7. Are **leachate** analysis records stored on-site?

a) If not, where?

b) When was the last sampling event? *Has not had to.*

—	✓	—
---	---	---

c) What contaminate(s) is the leachate tested for? _____

8. Any location restriction documents? (ARM 16.14.521(1) (p) (i))
a) What are they? _____

MASON P (no)

— ✓ —

9. Any MSWLF unit design documentation for the construction or placement of leachate or gas condensate? (ARM 16.14.521(1) (p) (iv))

✓ — —

10. Closure and Post-closure care information on-site? (ARM 16.14.521(1) (p) (vi))

— ✓ —

11. Cost estimates or financial assurance documents on-site? (ARM 16.14.521(1) (p) (vii))

— ✓ —

12. Any information demonstrating compliance with small community exemption? (ARM 16.14.521(1) (p) (viii))

— — ✓

13. License issued? (ARM 16.14.405(1))

✓ — —

14. Fees paid? (ARM 16.14.405(1) (b))

✓ — —

NOTES: Considering closing.

K. Additional Questions

Yes No N/A

1. Does the MSWLF accept out-of-state wastes?

— ✓ —

a) If so, how much? _____

2. Are the weight records up to date? (ARM 16.14.406(4))

— — —

3. Has last quarter report and fee payment been submitted to the state? (ARM 16.14.406(3))

— — —

4. Out-of-state waste received from: _____

— — —

ADDITIONAL NOTES AND/OR COMMENTS: SITE OK. LITTER IMPROVED, DAILY COVER STILL WEAK.

✓

WV 10/10/11

✓

✓

✓

✓

✓

✓

Considering Closing

✓

✓

✓

✓

✓

✓

✓

✓

✓

✓

✓

✓

✓

✓

✓

✓

✓

✓

✓

✓

✓

✓

✓

✓

✓

✓

✓

✓

✓

✓

✓

Site Ch. Little Implants, Galle can still

Site Ch. Little Implants, Galle can still

Site Ch. Little Implants, Galle can still

Site Ch. Little Implants, Galle can still

Site Ch. Little Implants, Galle can still

Site Ch. Little Implants, Galle can still

Site Ch. Little Implants, Galle can still

Site Ch. Little Implants, Galle can still

Site Ch. Little Implants, Galle can still

Site Ch. Little Implants, Galle can still

Site Ch. Little Implants, Galle can still

Site Ch. Little Implants, Galle can still

Site Ch. Little Implants, Galle can still

Site Ch. Little Implants, Galle can still

Site Ch. Little Implants, Galle can still

Site Ch. Little Implants, Galle can still

Site Ch. Little Implants, Galle can still

Site Ch. Little Implants, Galle can still

Site Ch. Little Implants, Galle can still

Site Ch. Little Implants, Galle can still

Site Ch. Little Implants, Galle can still

Site Ch. Little Implants, Galle can still

Site Ch. Little Implants, Galle can still

Site Ch. Little Implants, Galle can still

Site Ch. Little Implants, Galle can still



City's Big Tumbler class II # 308



Cimg Big Timbon Class II # 308

Working face

good compaction

Stimpy couch

Big Timbon Coalface

Big Timbon TAE pile

Big Timbon Burn pile

Initials Date 1/26/96

SOLID WASTE PROGRAM ROUTE SLIP

☐ **NEW APPLICATION**

Jim W.
Jon D.
Proof
Cathy
Roger

Initial / Date

☐ **NEW LICENSE**

Jim W.
Jon D.
Proof
Carol
Cathy
Roger

Initial / Date

☐ **HEALTH OFFICER CARD**

Jim W.
Carol
Cathy

Initial / Date

☒ **INSPECTIONS**

Pat C. JSW.
Jon D.
Proof
Carol
Roger

Initial / Date

JW 1-26
Pat 1/30 JD 1-30
Tom 1-26-96
CU 1-31
PC 2-1
2-1-96 - Tom

☐ **INTERIM CLOSURES**

Jim W.
Jon D.
Proof
Carol
Cathy
Roger

Initial / Date

☐ **CLOSURES**

Jim W.
Jon D.
Proof
Carol
Cathy
Roger

Initial / Date

☐ **CHANGE IN LICENSE
FOR FEE STATUS**

Jim W.
Jon D.
Proof
Cathy
Roger

Initial / Date

☐ **COMPLAINTS**

Pat C.
Jon D.
Proof
Roger
Carol (filing & DBase)

Initial / Date

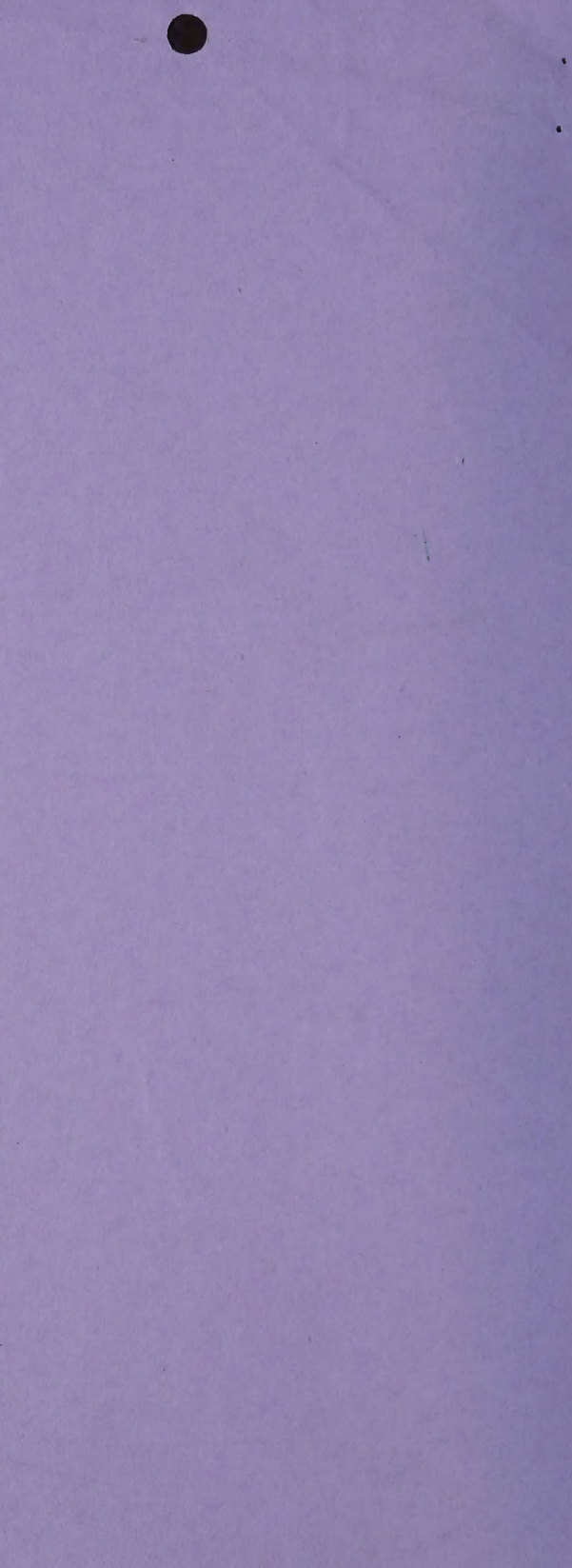
☐ **GENERAL CORRESPONDENCE**

Pat C./Jim W.
Jon D.
Proof
Roger

Initial / Date

☐ **MISCELLANEOUS**

Initial / Date



DEPARTMENT OF
ENVIRONMENTAL QUALITY

Waste Management Division
Solid Waste Management Program
406/444-1430

FAX # (406) 444-1499



STATE OF MONTANA

OFFICE LOCATION: 2209 PHOENIX AVE.
HELENA, MONTANA

MAILING ADDRESS: PO BOX 200901
HELENA, MT 59620-0901

January 30, 1996

Ron Thomas, Director of Public Works
City of Big Timber
P.O. Box 416
Big Timber, MT 59011

SUBJECT: Big Timber Class II Landfill (# 308) - Inspection Report

Dear Ron:

On January 16, 1996, I inspected the subject facility for compliance with the rules and regulations governing solid waste disposal in Montana. According to ARM 16.14.526(1) [recodified as 17.50.526(1)], whenever violations of the laws and rules governing solid waste management are noted during the course of an inspection, we are required to notify the operator of the violations observed during the inspection. Enclosed you will find a copy of the on-site observation report and the official inspection report. The latter report was based on the on-site observation report taken at the time of inspection.

The official inspection report has been separated into various sections, such as General Operation and Maintenance Plan and Ground Water Monitoring Requirements. Each section has then been further divided into "Major Violations", "Minor Violations", and "Comments". Those sections in which no violations or comments were noted have not been included in this inspection report. Under the appropriate category, I have quoted the rule or regulation which was violated and an explanation of the specific problem.

Minor violations need prompt attention to prevent them from becoming major violations. All violations noted in the enclosed inspection report have to be corrected in order to bring your operation into compliance. Compliance deadlines are specified under each section as needed. Material discussed under "Comments" are only suggestions or observations, and are not requirements of State rules and regulations.

SOLID WASTE MANAGEMENT SITE SYSTEM INSPECTION REPORT

(Rev. 12-1-95)

Ron Thomas

January 30, 1996

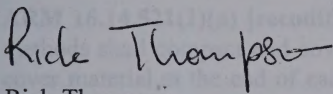
Page 2

During my inspection there was one minor on-site operations violation. The minor violation was the lack of daily cover on some portions of the working area. (See the enclosed inspection report for explanation of the above violation).

Also noted during the inspection was the absence of records for the hazardous waste and polychlorinated biphenyl waste screening program conducted at the facility. This was not noted as a violation as adequate waste screening is being conducted at the facility. However, solid waste rules require that records must be kept of the loads checked.

The purpose of carrying out inspections is to protect human health and the environment by ensuring compliance with State rules and regulations. We will try to provide any assistance you may need in order to comply. Thank you for your cooperation in this matter and please do not hesitate to contact this office if you have any questions or comments.

Sincerely,



Rick Thompson

Solid and Hazardous Waste Specialist

cc: Jay Graham, Landfill Manager, City of Big Timber, P.O. Box 416, Big Timber, MT 59011

Rod Fink, Sweet Grass County Sanitarian, P.O. Box 111, Columbus, MT 59019

Enclosures: Copy of On-Site Observation Form, Inspection Report

Discussion

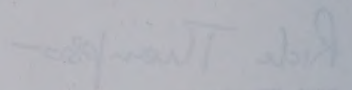
During my inspection, there were portions of the active area of the landfill with previously covered waste sticking through the daily cover. The use of additional soil material during the daily cover placement should remedy this violation.

During my inspection there was one minor on-site operational violation. The minor violation was the lack of daily cover on some portions of the working area. (See the enclosed inspection report for expansion of the above violation).

Also noted during the inspection was the absence of records for the hazardous waste and polychlorinated biphenyl waste screening program conducted at the facility. This was not noted as a violation as adequate waste screening is being conducted at the facility. However, solid waste units require that records must be kept of the loads checked.

The purpose of carrying out inspections is to protect human health and the environment by ensuring compliance with state rules and regulations. We will try to provide any assistance you may need in order to comply. Thank you for your cooperation in this matter and please do not hesitate to contact this office if you have any questions or comments.

Sincerely,



Rick Thompson
Solid and Hazardous Waste Specialist

Ken Thompson, District Manager, Ohio Dept. of Public Safety, P.O. Box 416, Big Island, OH 44001
814 First Street, Suite 200, Columbus, OH 43215, Columbus, OH 43215

Enclosed Copy of On-Site Operational Form Inspection Report

SOLID WASTE MANAGEMENT SITE/SYSTEM INSPECTION REPORT

(Revision 7/01/95)

Site Name: City of Big Timber Class II landfill

License #: 308

Date of Inspection: 1/16/96

Persons Present: Jay Graham - Landfill Manager

Applicable Acronyms

ARM = Administrative Rules of Montana

Department = Montana Department Environmental Quality

MSWLF = Municipal solid waste landfill

NESHAP = National Emission Standards for Hazardous Air Pollutants

CFR = Code of Federal Regulations

MCA = Montana Code Annotated

MSWMA = Montana Solid Waste Management Act

ARM 16.14.526(1) [recodified as 17.50.526] ENFORCEMENT If after an inspection the department determines that violation of the act or this subchapter is occurring, it shall notify the licensee of the nature of the violation.

General Operational and Maintenance Requirements

Minor Violations: "Daily and intermediate cover."

ARM 16.14.521(1)(a) [recodified as 17.50.511(1)(a)] All Class II facilities using landfilling methods shall compact and cover solid waste with a layer of at least 6 inches of approved earth cover material at the end of each operating day or at more frequent intervals if necessary to control disease vectors, fires, odors, blowing litter, and scavenging. Alternative daily cover materials such as geotextile fabrics, foams, compost, or other materials may be used in place of the six inches of approved earthen cover material only when approved by the department. The use of alternative daily cover materials must be done under a plan of operations approved of in advance by the department. The plan of operations for the use of alternative daily cover materials must include provisions for the application of six inches of approved earthen cover material at least once per week. The owner or operator must demonstrate to the department that the alternative material and thickness control disease vectors, fires, odors, blowing litter, and scavenging without presenting a threat to human health and the environment. Any portion of a Class II landfill unit that will not receive additional waste within 90 days must have an intermediate cover of at least one foot of approved earthen materials. These steps must be taken unless the department is satisfied that the licensee has shown good cause for not covering.

Discussion

During my inspection, there were portions of the active area of the landfill with previously covered waste sticking through the daily cover. The use of additional soil material during the daily cover placement should remedy this violation.

SOLID WASTE MANAGEMENT SYSTEMS INSPECTION REPORT

(Section 101.12)

The Mayor, City of Big Timber, Class II landfill

License No. 101

Date of inspection: 11/10/96

Inspector: [Name], City Engineer - Landfill Manager

CR - Code of Federal Regulations
WLS - Montana Code Annotated
MSWIS - Montana Solid Waste Inspection Act

ARM 10.10.12(1) - Montana Code of Regulations
ARM 10.10.12(2) - Montana Code of Regulations
ARM 10.10.12(3) - Montana Code of Regulations
ARM 10.10.12(4) - Montana Code of Regulations

ARM 10.10.12(1) (repealed as 10.10.12(1) ENFORCEMENT) is hereby enforced by the department. The violation of the act or this regulation is occurring, it shall notify the licensee of the nature of the violation.

General Operational and Maintenance Requirements

Minor Violations: Daily and immediate cover.

ARM 10.10.12(1)(a) (repealed as 10.10.12(1)(a)) All Class II facilities using landfilling methods shall compact and cover solid waste with a layer of at least 6 inches of approved daily cover material at the end of each operating day or at more frequent intervals if necessary to control disease vectors, fire, odor, blowing litter, and scavenging. Alternative daily cover materials such as geotextile fabric, straw, compost, or other materials may be used in place of the six inches of approved carbon cover material only when approved by the department. The use of alternative daily cover materials must be done under a plan of operations approved of in advance by the department. The plan of operations for the use of alternative daily cover materials must include provisions for the application of six inches of approved carbon cover material at least once per week. The owner or operator must demonstrate to the department that the alternative material and thickness control disease vectors, fire, odor, blowing litter, and scavenging without creating a threat to human health and the environment. Any portion of a Class II landfill unit that will not receive additional waste within 90 days must have an intermediate cover of at least one foot of approved carbon materials. These steps must be taken unless the department is satisfied that the licensee has shown good cause for not covering.

Discussion

During my inspection, there were portions of the active area of the landfill with previously covered waste sitting through the daily cover. The use of additional soil covering during the daily cover placement should remedy this violation.

Regulated Hazardous Waste Detection and Disposal Prevention

Comments: "Lack of record keeping".

ARM 16.14.521(1)(e), [recodified as 17.50.511(e)] Owners or operators of all Class II landfill units must implement a program at the facility for detecting and preventing the disposal of regulated hazardous wastes or polychlorinated biphenyl (PCB) wastes. This program must include, at a minimum:

- (i) Random inspections of incoming loads unless the owner or operator takes other steps to ensure that incoming loads do not contain regulated hazardous wastes or PCB wastes;
- (ii) Records of any inspections;
- (iii) Training of facility personnel to recognize regulated hazardous waste and PCB wastes;

Discussion

During my inspection, it was noted that adequate record keeping was not being done for the hazardous waste and polychlorinated biphenyl waste screening program at the facility. Due to the small area serviced by the facility, most of the loads are examined by landfill personnel prior to being covered. However, as stated in the above ARM record keeping must be done as part of the waste screening program. To address the above comment, please initiate some form of record keeping which indicates: the time, date, personnel conducting the screening, restricted items, and actions taken in the event that a regulated hazardous waste or PCB is discovered in a load. These records should be kept with the facility's operating records and made available for future inspections.

Date: 1/16/96

Time of Arrival: 2:05 pm

Time of Departure: 4:20 pm

Total Hours: _____

SOLID WASTE MANAGEMENT SITE/SYSTEM - ON-SITE OBSERVATION FORM

(This is not the Notice of Violation mentioned in Section 75-10-227, MCA)

Facility Name City of Big Timber Class II Landfill License No. 308

Solid Waste Management Site/System Description Class II HSW Landfill

Location SE. of Big Timber

Owner City of Big Timber Phone (406) 932-5611

Address P.O. Box 7416 City Big Timber, MT 59011

Operator City of Big Timber Phone _____

Address Same City _____, MT _____

Landfill Representative(s) Present JAY THOMAS GRAHAM Title Landfill Manager

Jay Graham Title _____

DHES Representative(s) Present Rick THOMPSON Title SHW SPECIALIST

Rick Thompson Title " "

(Answer all questions; mark N/A if not applicable; please print)

A. General Operational and Maintenance Requirements

Areas of Concern
Yes No N/A

1. Operational Records located where? City Hall
2. Dumping confined to a manageable area? (ARM 16.14.520(4)) ☒ Yes ☐ No ☐ N/A
3. Refuse properly covered after each operating day? (ARM 16.14.521(1)(a)) ☒ Yes ☐ No ☐ N/A
 - a) Alternative Daily Cover in use? (ARM 16.14.521(1)(a)) ☐ Yes ☒ No ☐ N/A
 - b) If so, what kind? _____
4. If a Class III landfill, covered at least quarterly? (ARM 16.14.521(2)) ☐ Yes ☒ No ☐ N/A
5. Daily Spreading and compaction of refuse adequate? (ARM 16.14.521(1)(a)) ☒ Yes ☐ No ☐ N/A
6. Depth, spreading, and grading of intermediate cover adequate? (ARM 16.14.521(1)(a)) ☐ Yes ☐ No ☐ N/A
7. Final cover on filled areas? (ARM 16.14.530(1)(a)) ☐ Yes ☒ No ☐ N/A
8. Rodents and insects controlled? (ARM 16.14.520(7)) ☒ Yes ☐ No ☐ N/A
9. Blowing litter controlled? (ARM 16.14.520(6)) ☒ Yes ☐ No ☐ N/A
10. Access to site controlled? (ARM 16.14.520(4) and (5)) ☒ Yes ☐ No ☐ N/A
 - Sign(s) ☒ Yes ☐ No ☐ N/A
 - Gate(s) ☒ Yes ☐ No ☐ N/A
 - Fences(s) (ARM 16.14.521(1)(c)) ☒ Yes ☐ No ☐ N/A
 - Supervision ☒ Yes ☐ No ☐ N/A
11. Approach road properly maintained? (ARM 16.14.505(1)(b)) ☒ Yes ☐ No ☐ N/A
12. Solid Waste Management facility equipment visible on-site? ☒ Yes ☐ No ☐ N/A
 - a) If so, what kind(s) 963 CAT COMPACTOR, CAT TRACKLOADER
13. Where refuse containers are utilized, are they maintained and kept in a sanitary manner? (ARM 16.14.521(1)(d)) ☐ Yes ☐ No ☒ N/A
 - a) Are they emptied at least once a week? (ARM 16.14.521(1)(d)) ☐ Yes ☐ No ☒ N/A
14. Salvaging going on? (ARM 16.14.520(8)) ☐ Yes ☒ No ☐ N/A
 - a) Approved salvaging plan on-file with DHES? ☐ Yes ☒ No ☐ N/A
15. What method is used to measure waste volumes? (ARM 16.14.521(1)(o)) Scale

* 3. Min. Additional daily cover. * 4. Class III waste is burnt twice yearly
9. there is some blown litter controlled by fences.

a) How often is volume measured? Tonnage measured daily

BRIEF SUMMARY OF THE RULES AND REGULATIONS GOVERNING SOLID WASTE DISPOSAL IN MONTANA

ARM = Administrative Rules of Montana
Department = Montana Department of Health and Environmental Sciences
MSWLF = Municipal solid waste landfill
NESHAP = National Emission Standards for Hazardous Air Pollutants

CFR = Code of Federal Register
MCA = Montana Code Annotated
MSWMA = Montana Solid Waste Management Act

A. General Operational and Maintenance Requirements

ARM 16.14.505(1)(b) Where public use or year round access is contemplated, access roads and bridges must be capable of supporting loaded vehicles during all types of weather.

ARM 16.14.520(4) Dumping of solid waste must be confined to areas within the disposal facility that can be effectively maintained and operated in accordance with this rule. This must be controlled by supervision, fencing, signs or similar means approved by the department.

ARM 16.14.520(5) Owners or operators of all solid waste management systems must control public access and prevent unauthorized vehicular traffic and illegal dumping of wastes by using artificial barriers, natural barriers, or both, as appropriate to protect human health and the environment.

ARM 16.14.520(6) Effective means shall be taken to control litter at solid waste storage and disposal facilities.

ARM 16.14.520(7) Owners or operators of all solid waste management systems must prevent or control on-site populations of disease vectors using techniques appropriate for the protection of human health and the environment.

ARM 16.14.520(8) Salvaging of materials at all facilities is expressly prohibited unless the owner or operator demonstrates to the department's satisfaction that it can be done in a manner protective of human health and the environment.

ARM 16.14.521(1)(a) All Class II facilities using landfilling methods shall compact and cover solid waste with a layer of at least six (6) inches of approved earth cover material at the end of each operating day or at more frequent intervals if necessary to control disease vectors, fires, odors, blowing litter, and scavenging. Alternative daily cover materials such as geotextile fabrics, foams, compost, or other materials may be used in place of the six inches of approved earthen cover material only when approved by the department. The use of alternative daily cover materials must be done under a plan of operations approved of in advance by the department. The plan of operations for the use of alternative daily cover materials must include provisions for the application of six inches of approved earthen cover material at least once per week. The owner or operator must demonstrate to the department that the alternative material and thickness control disease vectors, fires, odors, blowing litter, and scavenging without presenting a threat to human health and the environment. Any portion of a Class II landfill unit that will not receive additional waste within 90 days must have an intermediate cover of at least one foot of approved earthen materials. These steps must be taken unless the department is satisfied that the licensee has shown good cause for not covering.

ARM 16.14.521(1)(c) Landfills must be fenced to prevent unauthorized access and must be supervised when open.

ARM 16.14.521(1)(d) Where transfer stations are utilized as part of a management system for Group II solid wastes, all containers must be maintained and kept in a sanitary manner and emptied at least once a week.

ARM 16.14.521(1)(o) Class II landfill facilities must weigh or otherwise accurately record all volumes of waste entering the facility.

ARM 16.14.521(2) Although Class III landfills are not required to cover wastes in disposal areas by earth materials daily, the wastes must be covered at least quarterly with six inches of a department approved earthen cover material.

ARM 16.14.530(1)(a) Owners or operators of all Class II landfill units must install a final cover system that is designed to minimize infiltration and erosion.

Section 75-10-221(1), MCA (MSWMA) . . . no person may dispose of solid waste or operate a solid waste management system without a license from the department.

Section 75-10-227(1), MCA (MSWMA) When the department believes that a violation of part 1 or this part, a violation of a rule adopted under part 1 or this part, or a violation of a permit provision has occurred, it may serve written notice of the violation on the alleged violator or his agent. The notice must specify the provision of law, rule, or permit alleged to be violated and the facts alleged to constitute a violation and may include an order to take necessary corrective action within a reasonable period of time stated in the order. . . . (For the complete law, please refer to the Montana Solid Waste Management Act.)

B. Ground Water Monitoring Requirements

ARM 16.14.701(2) Compliance with the requirements of this subchapter must be implemented according to the following schedule:

- (a) All new Class II units must be in compliance with this subchapter and initial sampling must be completed before waste can be placed in the unit;
- (b) Existing Class II units and lateral expansions that serve a geographic area with a population of 5,000 or more persons must be in compliance with all requirements of this subchapter and have commenced ground water monitoring by October 9, 1993; and
- (c) Existing Class II disposal units and lateral expansions that serve a geographic area with a population of 4,999 persons or less, . . . must comply with this subchapter according to the following schedule:
 - (i) Existing Class II disposal units and lateral expansions less than one mile from a drinking water intake (surface or subsurface) must be in compliance and have commenced ground water monitoring by October 9, 1994;
 - (ii) Existing Class II disposal units and lateral expansions greater than one mile but less than two miles from a drinking water intake (surface or subsurface) must be in compliance and have commenced ground water monitoring by October 9, 1995;
 - (iii) Existing Class II disposal units and lateral expansions greater than two miles from a drinking water intake (surface or subsurface) must be in compliance and have commenced ground water monitoring by October 9, 1996.

ARM 16.14.704(1) The background groundwater quality monitoring well(s) must be located so as to monitor the quality of groundwater representative of the groundwater passing the relevant point of compliance that has not been affected by leakage from the unit. At least one background water quality monitoring well is required at all

NOTES: _____

B. Ground Water Monitoring Requirements

	Areas of Concern	
	Yes	No N/A
1. Does the facility have an approved monitoring program? (ARM 16.14.701(2))	☒	_____
2. How many wells are in the sampling program? (ARM 16.14.704(1)) <u>Seven(7)</u>	☒	_____
3. Are the wells sealed at ground level? (ARM 16.14.705(7)(c))	☒	_____
4. Are the wells locked? (ARM 16.14.705(8))	☒	_____
5. Does the site have a No Migration Petition? (ARM 16.14.714(1))	_____	☒

NOTES: Sampling was being done by Maxim.

C. Leachate Collection Requirements

	Yes	No	N/A
1. Does the municipal solid waste landfill (MSWLF) have a leachate collection program? (ARM 16.14.506(1)(b))	_____	☒	_____
a) What happens to the leachate? _____	_____	_____	_____
b) How often is it sampled? _____	_____	_____	_____

NOTES: ~~There~~ No leachate collection system as yet.

D. Burn Pile Management Requirements

	Yes	No	N/A
1. Does site burn untreated wood waste and is it controlled? (ARM 16.14.520(2))	☒	_____	_____
2. Has an Air Quality Bureau permit been issued? (ARM 16.8.1307(1)(b))	☒	_____	_____
a) Will burn be completed within 24 hours? (ARM 16.8.1307(2)(b))	☒	_____	_____
3. Has burn pile been contaminated? (ARM 16.8.1307(1)(b))	☒	_____	_____
a) If so, with what? <u>very small amount of roofing paper. Other wise the burn pile look was clean.</u>	_____	_____	_____

NOTES: Last burn went early December/November.

E. Regulated Hazardous Waste Detection and Disposal Prevention

	Yes	No	N/A
1. Does the municipal solid waste landfill (MSWLF) have an approved regulated hazardous waste and polychlorinated biphenyl (PCB) waste screening program at the facility? (ARM 16.14.521(1)(e))	☒	_____	_____
2. Does the MSWLF perform random inspections? (ARM 16.14.521(1)(e)(i))	_____	☒	_____
a) How often? _____	_____	_____	_____
3. What material is screened? <u>Household, commercial.</u>	_____	_____	_____

NOTES: * Continuous inspections are done on both publicly deliwered wastes and city collected wastes. Comment on record keeping must be improved.

BRIEF SUMMARY OF THE RULES AND REGULATIONS GOVERNING SOLID WASTE DISPOSAL IN MONTANA -- CONTINUED

facilities. At least two background wells must be installed at facilities where statistics will be utilized for groundwater quality data evaluation unless it can be demonstrated to the department's satisfaction that a single well will suffice for the statistical test method chosen for ARM 16.14.706.

ARM 16.14.705(7)(c) All monitoring wells must be constructed:

- (c) With grout or other seal material extended down to within five feet of the zone being monitored.

ARM 16.14.705(8) All groundwater monitoring wells shall have caps to prevent contaminants from entering the monitoring device. All monitoring wells shall have protective outer casings and locking lids. The lids shall be kept locked. The department may require additional protective devices such as rings or brightly colored posts around any monitoring device.

ARM 16.14.714(1) Groundwater monitoring at a facility may be waived by the department if the facility owner or operator can demonstrate there is no potential for hazardous constituents to contaminate the uppermost aquifer.

C. Leachate Collection Requirements

ARM 16.14.506(1)(b) New Class II landfill units and lateral expansions must be constructed:

- (b) With a composite liner and a leachate collection system. . . .

D. Burn Pile Management Requirements

ARM 16.14.520(2) Open burning at all facilities is prohibited unless a permit has been obtained from the department.

ARM 16.8.1307(1)(b) The department may issue a conditional air quality open burning permit for the disposal of:

- (b) Untreated wood waste at licensed landfill sites

ARM 16.8.1307(2)(b) An air quality open burning permit issued under this rule is valid for . . . :

- (b) untreated wood waste at licensed landfill sites -- single burn. A new permit must be obtained for each burn.

E. Regulated Hazardous Waste Detection and Disposal Prevention

ARM 16.14.521(1)(e) Owners or operators of all Class II landfill units must implement a program at the facility for detecting and preventing the disposal of regulated hazardous wastes or polychlorinated biphenyls (PCB) wastes. This program must include, at a minimum:

- (i) Random inspections of incoming loads unless the owner or operator takes other steps to ensure that incoming loads do not contain regulated hazardous wastes or PCB wastes;
- (ii) Records of any inspections;
- (iii) Training of facility personnel to recognize regulated hazardous waste and PCB wastes

F. Landfill Gas Monitoring

ARM 16.14.521(1)(g) Owners or operators of all Class II landfill units must implement a department approved routine methane monitoring program that ensures that the standards of (f) of this subsection are met and that meets the following requirements:

- (i) The type and frequency of monitoring must be determined based on the following factors:
 - (A) Soil conditions;
 - (B) The hydrogeologic conditions surrounding the facility;
 - (C) The hydraulic conditions surrounding the facility; and
 - (D) The location of facility structures and property boundaries.

G. Run-on/Run-off Control Requirements

ARM 16.14.521(1)(j) Owners or operators of all Class II disposal units must design, construct, and maintain:

- (i) A run-on control system to prevent flow onto the active portion of the landfill during the peak discharge from a 25-year storm;
- (ii) A run-off control system from the active portion of the landfill to collect and control at least the water volume resulting from a 24-hour, 25-year storm.

ARM 16.20.1301 et. seq. The purpose of this subchapter . . . is to establish and implement one common system for issuing permits for point sources discharging pollutants into state waters, and is intended to allow the board and department to administer a pollutant discharge permit system which is compatible with the National Pollutant Discharge Elimination System as established by the U.S. Environmental Protection Agency. . . .

H. Special Waste Handling

Clean Air Act of 1990 Effective July 1, 1992, it shall be unlawful for any person, in the course of maintaining, servicing, repairing, or disposing of any appliance or industrial process refrigeration, to knowingly vent or otherwise knowingly release or dispose of any Class I or Class II substance used as a refrigerant in such appliance (or industrial process refrigeration) in a manner which permits such substance to enter the environment.

F. Landfill Gas Monitoring

Areas of Concern
Yes No N/A

- Does the MSWLF have an approved methane gas monitoring program? (ARM 16.14.521(1)(g)) ☒ — —
- How many permanent methane monitoring stations does the facility have? 4 — —
- How many temporary bore holes used? none — —
- Are all facility buildings tested for methane? ☒ — —
 - Which ones? Equipment building
 - What instrument is used? Flaming gas
- How often are they sampled? (ARM 16.14.521(1)(g)(i)) Quarterly
- Readings reported in percent lower explosion limit (% LEL) for methane, percent volume of explosive gas in air, or in parts per million (ppm) of combustible gases? LEL
- Department checks conducted on wells? — ☒ —
 - Results? —

NOTES: Im compliance. Last sampling event ~~December~~ October '95

G. Run-on/Run-off Control Requirements

Yes No N/A

- Does the MSWLF have a run-on control system? (ARM 16.14.521(1)(j)(i)) ☒ — —
- Does the MSWLF have a run-off control system? (ARM 16.14.521(1)(j)(ii)) ☒ — —
- Does the site have a Montana Pollutant Discharge Elimination System (MPDES) permit? (ARM 16.20.1301 et. seq.) ☒ — —
 - What is its permit number? ?

NOTES: It was not known if a MPDES permit was applied for.

H. Special Waste Handling

Yes No N/A

- White goods** stored on-site? ☒ — —
 - If so, has CFC removal been documented? (Clean Air Act of November 1990) ☒ — —
 - Have refrigerator doors been sealed or disabled? (§ 45-8-113(a), MCA) ☒ — —
 - Are White Goods recycled? ☒ — —
 - By whom? Local contractor
 - How often are they removed from site? Once every 4 months
- Dead animals** accepted? — ☒ —
 - If so, does the facility have a special disposal area? ☒ — —
 - Where is it located? —
- Is **asbestos** disposed on-site? — ☒ —
 - If so, is there a special disposal area for it? —
 - A map available? —
 - Covered with at least six inches of soil? —
 - If closed, has the disposal site operator informed EPA as to the location and amount of waste deposited? (40 CFR § 61.154(g)) —
 - If closed, has a notification concerning the presence of asbestos waste been placed on the deed to the property? —
- Does the site **landfarm contaminated soils**? ☒ — —
 - If so, is it part of the approved operations? ☒ — —
 - Where is it located? S.E. of main trench

NOTES: White goods with intact condensers are not accepted.
No landfarming is currently being done. (2-3 years)

BRIEF SUMMARY OF THE RULES AND REGULATIONS GOVERNING SOLID WASTE DISPOSAL IN MONTANA -- CONTINUED

Section 45-8-113(1)(a), MCA (MSWMA) A person commits the offense of creating a hazard if he knowingly:

- (a) discards in any place where it might attract children a container having a compartment of more than 1½ cubic feet capacity and a door or lid that locks or fastens automatically when closed and cannot easily be opened from the inside and fails to remove the door, lid, or locking or fastening device;

40 CFR § 61.154(g) (NESHAP) Upon closure, comply with all the provisions of 40 CFR § 61.151.

J. Examination of Operation Records

ARM 16.14.521(1)(e) Owners or operators of all Class II landfill units must implement a program at the facility for detecting and preventing the disposal of regulated hazardous wastes or polychlorinated biphenyls (PCB) wastes. This program must include, at a minimum:

- (ii) Records of any inspections;
- (iii) Training of facility personnel to recognize regulated hazardous waste and PCB wastes . . .

ARM 16.14.521(1)(p) The owner or operator of a Class II disposal unit must record and retain at the facility or at an alternative location approved by the department, an operating record containing the following information as it becomes available:

- (i) Any location restriction demonstration required under this subchapter;
- (ii) Inspection records, training procedures, and notification procedures required under this subchapter;
- (iii) Gas monitoring results from monitoring and any remediation plans required by this subchapter;
- (iv) Any design documentation for construction or the placement of leachate or gas condensate in a landfill unit as required under this subchapter;
- (v) Any demonstration, certification, finding, monitoring, testing, or analytical data required by department ground water monitoring regulations found in ARM 16.14.701 *et. seq.*;
- (vi) Closure and post-closure care plans and any monitoring, testing, or analytical data of required by this subchapter;
- (vii) Any cost estimates and financial assurance documentation required by this subchapter;
- (viii) Any information demonstrating compliance with and approval of the small community exemption; and
- (ix) Any waste quantity records required under this subchapter.

ARM 16.14.707(4) A copy of all plans, reports, studies and other ground water monitoring methods or activities must be supplied to the department and placed in the operating record.

40 CFR 61.154(e)(1) For all asbestos-containing waste material received, the owner/operator of the MSWLF shall maintain waste shipment records.

40 CFR 61.154(e)(4) For all asbestos-containing waste material received, the owner/operator of the MSWLF shall retain a copy of all records and reports required by this paragraph for at least two years.

40 CFR 61.154(f) Maintain, until closure, records of the location, depth and area, and quantity in cubic meters (cubic yards) of asbestos-containing waste material within the disposal site on a map or diagram of the disposal area.

40 CFR 61.154(i) Furnish upon request and make available during normal business hours for inspection by the Administrator, all records required under this section.

ARM 16.14.405(1) Except as provided in 75-10-214, MCA, no person may dispose of solid waste or operate or maintain a solid waste management system after July 1, 1991 without an operating license from the department. The license period shall be for a base year from July 1 of one year through Jun 30 of the subsequent year.

ARM 16.14.405(1)(b) The department shall mail invoices for license renewal fees to license holders by June 15 of each year. License renewal fees will be calculated in accordance with Table 1, "Annual License Fee Schedule". Any solid waste management facility that does not fit into one of the categories listed in Table 1 shall be assessed fees no greater than major Class II landfill facilities. Payment of renewal fees may be submitted to the department quarterly, with the first payment due on or before July 31 of each base year. Failure to submit payments when due shall subject the license holder to the provisions of Section 75-10-116, MCA.

K. Additional Questions

ARM 16.14.406(3) In addition to the volume based fee specified in (1) of this rule, any person licensed to dispose of or incinerate solid waste shall submit to the department a quarterly fee of \$0.27 per ton of solid waste generated outside Montana and disposed of or incinerated within Montana. All facilities that accept wastes from outside Montana for the purpose of incineration or disposal must weigh the wastes accepted at the facility to accurately determine the volume accepted.

ARM 16.14.406(4) Each facility receiving waste generated outside Montana must record the weights of all out-of-state waste received and such records must be placed in the operating record and must be reported to the Department in the annual report specified in ARM 16.14.407.

I. Waste Reduction

Areas of Concern
Yes No N/A

1. Does the facility **recycle**?

a) What is recycled?

Used Oil

Aluminum Cans

Steel Cans/Scrap Metal

Glass

Paper

Batteries (Wet/Dry Cell)

Newspaper

Other

b) What is the frequency of removal?

c) Where are the recyclables taken?

2. Does the facility **compost**?

a) What composting method is used?

b) What is composted? Grass & leaves

c) What is the compost used for? Soil amendment on site

d) Is it contaminated?

3. Does the facility have a household hazardous waste collection area?

a) If so, what is collected?

b) How often is the material removed and who removes it?

c) What is the final disposition of the collected material?

NOTES: No recent composting done. No windrows etc. to be seen.

J. Examination of Operation Records (see ARM 16.14.521(1)(p))

Yes No N/A

1. Does the MSWLF have **weight/volume** records on-site? at City hall.

2. Are **ground water monitoring** records on-site? (ARM 16.14.707(4))

a) If not, where are they? at City Hall

b) When were the wells last **sampled**? January 16, 1996.

c) What was it sampled for? Table 107

3. Does the MSWLF have records of **HW screenings**? (ARM 16.14.521(1)(e)(ii))

a) Where are they located? at City Hall

b) Any records of personnel **training**? (ARM 16.14.521(1)(e)(iii))

4. Does the facility have on-site records of **landfill gas monitoring**?

5. Are **asbestos** waste shipment records maintained? (40 CFR § 61.154(e)(1))

a) Are copies of all required records and reports

retained for 2 years? (40 CFR § 61.154(e)(4))

b) Are records available for inspection? (40 CFR § 61.154(i))

c) Is a map or diagram of the asbestos disposal area being maintained? (40 CFR § 61.154(f))

6. In regard to **landfills**, are waste shipment records maintained?

a) Is the material typically analyzed?

b) What is the soil tested for?

No recent land farming done at the site

b) What volume of soils are accepted annually? None over the last 3-4 years

7. Are **leachate** analysis records stored on-site?

a) If not, where?

b) When was the last sampling event?

There is much more to be said

the next conference have the windows etc to be

at City Hall

at City Hall
Table of

at City Hall

the next land forming here at the site

Big Trencher Case II

c) What contaminate(s) is the leachate tested for? N/A

8. Any **location restriction** documents? (ARM 16.14.521(1)(p)(i))
a) What are they? _____
9. Any MSWLF unit design documentation for the construction or placement of **leachate or gas condensate**? (ARM 16.14.521(1)(p)(iv))
10. **Closure and Post-closure care** information on-site? (ARM 16.14.521(1)(p)(vi))
11. **Cost estimates or financial assurance** documents on-site? (ARM 16.14.521(1)(p)(vii))
12. Any information demonstrating compliance with **small community exemption**? (ARM 16.14.521(1)(p)(viii))
13. License issued? (ARM 16.14.405(1))
14. Fees paid? (ARM 16.14.405(1)(b))

Yes	No	N/A
		✓
✓		✓
		✓
✓	✓	
✓		
✓		

NOTES: _____

K. Additional Questions

1. Does the MSWLF accept out-of-state wastes?
a) If so, how much? _____
2. Are the weight records up to date? (ARM 16.14.406(4))
3. Has last quarter report and fee payment been submitted to the state? (ARM 16.14.406(3))
4. Out-of-state waste received from: _____

Yes	No	N/A

ADDITIONAL NOTES AND/OR COMMENTS:

Minor on daily cover.
Improvement needed on waste screening records. Comment
Overall good inspection

LANDFILL ROUTE SLIP

☐ **NEW APPLICATION**

Jon D. _____
Jim W. _____
Cathy _____

☐ **NEW LICENSE**

Jon D. _____
Jim W. _____
Carol _____
Cathy _____
Michelle _____

☐ **HEALTH OFFICER CARD**

Carol _____
Cathy _____
Michelle _____

☒ **INSPECTIONS**

Pat C. _____
Carol _____
Jon _____
Roger _____

FPC
OK
JD
PC

☐ **INTERIM CLOSURES**

Jim W. _____
Carol _____
Cathy _____

☐ **CLOSURES**

Jim W. _____
Carol _____
Cathy _____

☐ **CHANGE IN LICENSE FOR FEE STATUS**

Jon D. _____
Jim W. _____
Carol _____
Cathy _____

5-31-95

DEPARTMENT OF
HEALTH AND ENVIRONMENTAL SCIENCES

Waste Management Division
Solid Waste Program
(406) 444-1430

FAX # (406) 444-1499



STATE OF MONTANA

OFFICE 2209 PHOENIX AVE.
LOCATION: HELENA, MONTANA

MAILING PO BOX 200901
ADDRESS: HELENA, MT 59620-0901

May 30, 1995

Ron Thomas
City of Big Timber
P.O. Box 416
Big Timber, Montana 59011

SUBJECT: City of Big Timber Class II Landfill #308 Inspection Report.

Dear Ron:

On May 12, 1995, I inspected the subject facility for compliance with the laws and rules governing solid waste disposal in Montana. According to ARM 16.14.526(1), whenever violations of the laws and rules governing solid waste management are noted during the course of an inspection, we are required to notify the operator of the violations observed during the inspection. Enclosed you will find a copy of the on-site observation report I left with Jay Graham at the landfill to fulfill the requirements of ARM 16.14.526(1).

This notice has been separated into various sections, such as General Operation and Maintenance Plan and Ground Water Monitoring Requirements. Each section has then been further divided into "Major Violations", "Minor Violations", and "Comments". Under the appropriate category, I have quoted the rule or regulation which was violated and an explanation of the specific problem.

There were no major violations noted during this inspection. I did take into account the very wet weather experienced during this inspection which contributed to difficulty in adhering to operational compliance standards. I appreciate Jay Graham taking the time to review the landfill operational records with me, and for trudging through the mud at the facility to perform this inspection. Despite limitations caused by the weather, the facility was being run pretty well. Enclosed for your office are pictures of Jay dragging the packer truck to the working face. I do not think that driver will leave the main access road during wet weather again.

The goal of inspections is to protect human health and the environment by ensuring compliance with our regulations. We will try to provide any assistance you may need in order to comply. Thank you for your cooperation in this matter and please do not hesitate to contact this office if you have any questions or comments.

Sincerely,

A handwritten signature in dark ink, appearing to read "E. Thamke".

Edward A. Thamke
Solid Waste Program

c: Rod Fink, R.S., Sweet Grass County Health Dept., P.O. Box 111, Columbus, MT 59019
Lance Monroe, M.D., Sweet Grass County Health Officer, P.O. Box 1067, Big Timber, MT 59011

Enclosures: Copy of On-Site Observation Form, and photographs to Ron only.

Run-on/Run-off Control Requirements

Comments: No violations noted. The run-on controls were working well during this inspection. I did note the run-off is accumulating in the toe of the trench along both sides of the approach to the working face. I suggested to Jay that the east side of the trench be filled and graded to concentrate run-off in the S.W. corner of the trench near the leachate collection sump. This should alleviate some access difficulties during wet weather, and better drain the trench after precipitation.

Special Waste Handling

Comments: No violations noted. CFC removal has been documented and white goods are recycled. Dead animals are disposed of at the working face. Facility does not accept asbestos and does have an approved treatment cell to landfarm petroleum contaminated soils. Facility does not recycle or compost, but does use grass clippings and leaves to mulch windbreak.

Examination of Operation Records

Comments: No violations noted, but suggest you take some time to better organize landfill operational and compliance record keeping.

Other Comments

As you are probably aware, the deadline for documenting financial assurance has been delayed until April 9, 1997. However, closure and post-closure care plans are required to be in place now. Jay informed me that the City Clerk is in the process of finalizing these plans.

Overall the facility was in pretty good shape considering the rains. Keep up the good work and feel free to call or write as needed.

Removal of Canal Reclamation

Comments: No violations noted. The two on controls were working well during this inspection. I did note the run-off is accumulating in the toe of the trench along both sides of the approach to the working face. I suggested to lay that the east side of the trench be filled and graded to the working face. The corner of the trench near the landscape collection ramp. This should alleviate some access difficulties during wet weather, and better drain the trench after precipitation.

Special Waste Handling

Comments: No violations noted. CFC removal has been documented and white goods are recycled. Used animals are disposed of at the working face. Facility does not accept asbestos and does have an approved asbestos cell to maintain periodic on contaminated soils. Facility does not accept or transport, but does use grass clippings and leaves to mulch windbreak.

Examination of Operating Records

Comments: No violations noted, but suggest you take some time to better organize landfill operational and compliance record keeping.

Other Comments

As you are probably aware, the deadline for documenting financial statements has been delayed until April 1, 1997. However, current and past closure cost plans are required to be in place now. I've indicated on the City Clerk in the process of finalizing these plans.

Overall the facility was in pretty good shape considering the rains. Keep up the good work and feel free to call or write as needed.

Date: 5/12/95
Time of Arrival: 1:30
Time of Departure: 2:45
Total Hours: 1.25

SOLID WASTE MANAGEMENT SITE/SYSTEM - ON-SITE OBSERVATION FORM

(This is not the Notice of Violation mentioned in Section 75-10-227, MCA)

Facility Name City of Big Timber Class II Landfill License No. 308
Solid Waste Management Site/System Description Class II Disposal Site
Location 4.5 miles N.E. of Big Timber on Howie Road.
Owner City of Big Timber Phone 932-5611
Address P.O. Box 416 City _____, MT _____
Operator Row Thomas Phone _____
Address Same City _____, MT _____
Landfill Representative(s) Present Jay Graham Title Operations
DHES Representative(s) Present Ed Thumke Title Env. Specialist

(Answer all questions; mark N/A if not applicable; please print)

A. General Operational and Maintenance Requirements	Areas of Concern		
	Yes	No	N/A
1. Operational Records located where? <u>City Hall</u>			
2. Dumping confined to a manageable area? (ARM 16.14.520(4))	☒		
3. Refuse properly covered after each operating day? (ARM 16.14.521(1)(a))		☒	
a) Alternative Daily Cover in use? (ARM 16.14.521(1)(a))		☒	
b) If so, what kind?			
4. If a Class III landfill, covered at least quarterly? (ARM 16.14.521(2))			☒
5. Daily Spreading and compaction of refuse adequate? (ARM 16.14.521(1)(a))	☒		
6. Depth, spreading, and grading of intermediate cover adequate? (ARM 16.14.521(1)(a))	☒		
7. Final cover on filled areas? (ARM 16.14.530(1)(a))	☒		
8. Rodents and insects controlled? (ARM 16.14.520(7))	☒		☒
9. Blowing litter controlled? (ARM 16.14.520(6))	☒		
10. Access to site controlled? (ARM 16.14.520(4) and (5))	☒		
Sign(s)	☒		
Gate(s)	☒		
Fences(s) (ARM 16.14.521(1)(c))	☒		
Supervision	☒		
11. Approach road properly maintained? (ARM 16.14.505(1)(b)) <u>main road ok.</u>	☒		
12. Solid Waste Management facility equipment visible on-site?			
a) If so, what kind(s) <u>963 CAT</u>			
13. Where refuse containers are utilized, are they maintained and kept in a sanitary manner? (ARM 16.14.521(1)(d))			☒
a) Are they emptied at least once a week? (ARM 16.14.521(1)(d))			☒
14. Salvaging going on? (ARM 16.14.520(8))		☒	
a) Approved salvaging plan on-file with DHES?			☒
15. What method is used to measure waste volumes? (ARM 16.14.521(1)(c))			
<u>Vehicle & Truck Count.</u>			
a) How often is volume measured? <u>Daily</u>			

BRIEF SUMMARY OF THE RULES AND REGULATIONS GOVERNING SOLID WASTE DISPOSAL IN MONTANA

ARM = Administrative Rules of Montana
Department = Montana Department of Health and Environmental Sciences
MSWLF = Municipal solid waste landfill
NESHAP = National Emission Standards for Hazardous Air Pollutants

CFR = Code of Federal Register
MCA = Montana Code Annotated
MSWMA = Montana Solid Waste Management Act

A. General Operational and Maintenance Requirements

ARM 16.14.505(1)(b) Where public use or year round access is contemplated, access roads and bridges must be capable of supporting loaded vehicles during all types of weather.

ARM 16.14.520(4) Dumping of solid waste must be confined to areas within the disposal facility that can be effectively maintained and operated in accordance with this rule. This must be controlled by supervision, fencing, signs or similar means approved by the department.

ARM 16.14.520(5) Owners or operators of all solid waste management systems must control public access and prevent unauthorized vehicular traffic and illegal dumping of wastes by using artificial barriers, natural barriers, or both, as appropriate to protect human health and the environment.

ARM 16.14.520(6) Effective means shall be taken to control litter at solid waste storage and disposal facilities.

ARM 16.14.520(7) Owners or operators of all solid waste management systems must prevent or control on-site populations of disease vectors using techniques appropriate for the protection of human health and the environment.

ARM 16.14.520(8) Salvaging of materials at all facilities is expressly prohibited unless the owner or operator demonstrates to the department's satisfaction that it can be done in a manner protective of human health and the environment.

ARM 16.14.521(1)(a) All Class II facilities using landfilling methods shall compact and cover solid waste with a layer of at least six (6) inches of approved earth cover material at the end of each operating day or at more frequent intervals if necessary to control disease vectors, fires, odors, blowing litter, and scavenging. Alternative daily cover materials such as geotextile fabrics, foams, compost, or other materials may be used in place of the six inches of approved earthen cover material only when approved by the department. The use of alternative daily cover materials must be done under a plan of operations approved of in advance by the department. The plan of operations for the use of alternative daily cover materials must include provisions for the application of six inches of approved earthen cover material at least once per week. The owner or operator must demonstrate to the department that the alternative material and thickness control disease vectors, fires, odors, blowing litter, and scavenging without presenting a threat to human health and the environment. Any portion of a Class II landfill unit that will not receive additional waste within 90 days must have an intermediate cover of at least one foot of approved earthen materials. These steps must be taken unless the department is satisfied that the licensee has shown good cause for not covering.

ARM 16.14.521(1)(c) Landfills must be fenced to prevent unauthorized access and must be supervised when open.

ARM 16.14.521(1)(d) Where transfer stations are utilized as part of a management system for Group II solid wastes, all containers must be maintained and kept in a sanitary manner and emptied at least once a week.

ARM 16.14.521(1)(o) Class II landfill facilities must weigh or otherwise accurately record all volumes of waste entering the facility.

ARM 16.14.521(2) Although Class III landfills are not required to cover wastes in disposal areas by earth materials daily, the wastes must be covered at least quarterly with six inches of a department approved earthen cover material.

ARM 16.14.530(1)(a) Owners or operators of all Class II landfill units must install a final cover system that is designed to minimize infiltration and erosion. . . .

Section 75-10-221(1), MCA (MSWMA) . . . no person may dispose of solid waste or operate a solid waste management system without a license from the department.

Section 75-10-227(1), MCA (MSWMA) When the department believes that a violation of part 1 or this part, a violation of a rule adopted under part 1 or this part, or a violation of a permit provision has occurred, it may serve written notice of the violation on the alleged violator or his agent. The notice must specify the provision of law, rule, or permit alleged to be violated and the facts alleged to constitute a violation and may include an order to take necessary corrective action within a reasonable period of time stated in the order. . . . (For the complete law, please refer to the Montana Solid Waste Management Act.)

B. Ground Water Monitoring Requirements

ARM 16.14.701(2) Compliance with the requirements of this subchapter must be implemented according to the following schedule:

- (a) All new Class II units must be in compliance with this subchapter and initial sampling must be completed before waste can be placed in the unit;
- (b) Existing Class II units and lateral expansions that serve a geographic area with a population of 5,000 or more persons must be in compliance with all requirements of this subchapter and have commenced ground water monitoring by October 9, 1993; and
- (c) Existing Class II disposal units and lateral expansions that serve a geographic area with a population of 4,999 persons or less, . . . must comply with this subchapter according to the following schedule:
 - (i) Existing Class II disposal units and lateral expansions less than one mile from a drinking water intake (surface or subsurface) must be in compliance and have commenced ground water monitoring by October 9, 1994;
 - (ii) Existing Class II disposal units and lateral expansions greater than one mile but less than two miles from a drinking water intake (surface or subsurface) must be in compliance and have commenced ground water monitoring by October 9, 1995;
 - (iii) Existing Class II disposal units and lateral expansions greater than two miles from a drinking water intake (surface or subsurface) must be in compliance and have commenced ground water monitoring by October 9, 1996.

ARM 16.14.704(1) The background groundwater quality monitoring well(s) must be located so as to monitor the quality of groundwater representative of the groundwater passing the relevant point of compliance that has not been affected by leakage from the unit. At least one background water quality monitoring well is required at all

NOTES: _____

B. Ground Water Monitoring Requirements

	Yes	No	N/A
1. Does the facility have an approved monitoring program? (ARM 16.14.701(2))	☒	☐	☐
2. How many wells are in the sampling program? (ARM 16.14.704(1)) <u>~7</u>	☒	☐	☐
3. Are the wells sealed at ground level? (ARM 16.14.705(7)(c))	☒	☐	☐
4. Are the wells locked? (ARM 16.14.705(8))	☒	☐	☐
5. Does the site have a No Migration Petition? (ARM 16.14.714(1))	☐	☒	☐

NOTES: _____

C. Leachate Collection Requirements

	Yes	No	N/A
1. Does the municipal solid waste landfill (MSWLF) have a leachate collection program? (ARM 16.14.506(1)(b))	☒	☐	☐
a) What happens to the leachate? <u>Collection system Mon pool.</u>	☐	☐	☐
b) How often is it sampled? <u>Has not sampled yet.</u>	☐	☐	☐

NOTES: _____

D. Burn Pile Management Requirements

	Yes	No	N/A
1. Does site burn untreated wood waste and is it controlled? (ARM 16.14.520(2))	☒	☐	☐
2. Has an Air Quality Bureau permit been issued? (ARM 16.8.1307(1)(b))	☐	☒	☐
a) Will burn be completed within 24 hours? (ARM 16.8.1307(2)(b))	☐	☐	☒
3. Has burn pile been contaminated? (ARM 16.8.1307(1)(b))	☐	☒	☐
a) If so, with what? _____	☐	☐	☐

NOTES: _____

E. Regulated Hazardous Waste Detection and Disposal Prevention

	Yes	No	N/A
1. Does the municipal solid waste landfill (MSWLF) have an approved regulated hazardous waste and polychlorinated biphenyl (PCB) waste screening program at the facility? (ARM 16.14.521(1)(e))	☒	☐	☐
2. Does the MSWLF perform random inspections? (ARM 16.14.521(1)(e)(i))	☐	☐	☐
a) How often? _____	☐	☐	☐
3. What material is screened? _____	☐	☐	☐

NOTES: Records what they see private lands. Need to do better. Gave Canal Creek Example

BRIEF SUMMARY OF THE RULES AND REGULATIONS GOVERNING SOLID WASTE DISPOSAL IN MONTANA -- CONTINUED

facilities. At least two background wells must be installed at facilities where statistics will be utilized for groundwater quality data evaluation unless it can be demonstrated to the department's satisfaction that a single well will suffice for the statistical test method chosen for ARM 16.14.706.

ARM 16.14.705(7)(c) All monitoring wells must be constructed:

- (c) With grout or other seal material extended down to within five feet of the zone being monitored.

ARM 16.14.705(8) All groundwater monitoring wells shall have caps to prevent contaminants from entering the monitoring device. All monitoring wells shall have protective outer casings and locking lids. The lids shall be kept locked. The department may require additional protective devices such as rings or brightly colored posts around any monitoring device.

ARM 16.14.714(1) Groundwater monitoring at a facility may be waived by the department if the facility owner or operator can demonstrate there is no potential for hazardous constituents to contaminate the uppermost aquifer.

C. Leachate Collection Requirements

ARM 16.14.506(1)(b) New Class II landfill units and lateral expansions must be constructed:

- (b) With a composite liner and a leachate collection system. . . .

D. Burn Pile Management Requirements

ARM 16.14.520(2) Open burning at all facilities is prohibited unless a permit has been obtained from the department.

ARM 16.8.1307(1)(b) The department may issue a conditional air quality open burning permit for the disposal of:

- (b) Untreated wood waste at licensed landfill sites

ARM 16.8.1307(2)(b) An air quality open burning permit issued under this rule is valid for

- (b) untreated wood waste at licensed landfill sites -- single burn. A new permit must be obtained for each burn.

E. Regulated Hazardous Waste Detection and Disposal Prevention

ARM 16.14.521(1)(e) Owners or operators of all Class II landfill units must implement a program at the facility for detecting and preventing the disposal of regulated hazardous wastes or polychlorinated biphenyls (PCB) wastes. This program must include, at a minimum:

- (i) Random inspections of incoming loads unless the owner or operator takes other steps to ensure that incoming loads do not contain regulated hazardous wastes or PCB wastes;
- (ii) Records of any inspections;
- (iii) Training of facility personnel to recognize regulated hazardous waste and PCB wastes

F. Landfill Gas Monitoring

ARM 16.14.521(1)(g) Owners or operators of all Class II landfill units must implement a department approved routine methane monitoring program that ensures that the standards of (f) of this subsection are met and that meets the following requirements:

- (i) The type and frequency of monitoring must be determined based on the following factors:
 - (A) Soil conditions;
 - (B) The hydrogeologic conditions surrounding the facility;
 - (C) The hydraulic conditions surrounding the facility; and
 - (D) The location of facility structures and property boundaries.

G. Run-on/Run-off Control Requirements

ARM 16.14.521(1)(j) Owners or operators of all Class II disposal units must design, construct, and maintain:

- (i) A run-on control system to prevent flow onto the active portion of the landfill during the peak discharge from a 25-year storm;
- (ii) A run-off control system from the active portion of the landfill to collect and control at least the water volume resulting from a 24-hour, 25-year storm.

ARM 16.20.1301 et. seq. The purpose of this subchapter . . . is to establish and implement one common system for issuing permits for point sources discharging pollutants into state waters, and is intended to allow the board and department to administer a pollutant discharge permit system which is compatible with the National Pollutant Discharge Elimination System as established by the U.S. Environmental Protection Agency. . . .

H. Special Waste Handling

Clean Air Act of 1990 Effective July 1, 1992, it shall be unlawful for any person, in the course of maintaining, servicing, repairing, or disposing of any appliance or industrial process refrigeration, to knowingly vent or otherwise knowingly release or dispose of any Class I or Class II substance used as a refrigerant in such appliance (or industrial process refrigeration) in a manner which permits such substance to enter the environment.

F. Landfill Gas Monitoring

Areas of Concern
Yes No N/A

1. Does the MSWLF have an approved methane gas monitoring program? (ARM 16.14.521(1)(g)) ✓
2. How many permanent methane monitoring stations does the facility have? 24
3. How many temporary bore holes used? ✓
4. Are all facility buildings tested for methane?
a) Which ones? ONE NEW BUILDING
- b) What instrument is used? MINIGAS by NEOTRONICS
5. How often are they sampled? (ARM 16.14.521(1)(g)(i)) QUARTERLY
6. Readings reported in percent lower explosion limit (% LEL) for methane, percent volume of explosive gas in air, or in parts per million (ppm) of combustible gases?
7. Department checks conducted on wells?
a) Results? NO, RAINING TOO HARD.

NOTES: HUNTING FOR GAS WHEN INSTALLED IN 10/94 HIGHEST 2% LEL
DOES IT NOW, NOTHING ABOVE 1%

G. Run-on/Run-off Control Requirements

Yes No N/A

1. Does the MSWLF have a run-on control system? (ARM 16.14.521(1)(j)(i)) ✓
2. Does the MSWLF have a run-off control system? (ARM 16.14.521(1)(j)(ii)) ✓
3. Does the site have a Montana Pollutant Discharge Elimination System (MPDES) permit? (ARM 16.20.1301 et. seq.) ✓
- b) What is its permit number?

NOTES:

H. Special Waste Handling

Yes No N/A

1. **White goods** stored on-site? TAGGED.
a) If so, has CFC removal been documented? (Clean Air Act of November 1990) ✓
b) Have refrigerator doors been sealed or disabled? (§ 45-8-113(a), MCA) ✓
c) Are White Goods recycled? ✓
d) By whom? BILLINGS
e) How often are they removed from site? AS NEEDED
2. **Dead animals** accepted? ✓
a) If so, does the facility have a special disposal area? ✓
b) Where is it located? WASHED INTO FENCE
3. Is **asbestos** disposed on-site? ✓
a) If so, is there a special disposal area for it? ✓
b) A map available? ✓
c) Covered with at least six inches of soil? ✓
d) If closed, has the disposal site operator informed EPA as to the location and amount of waste deposited? (40 CFR § 61.154(g)) ✓
e) If closed, has a notification concerning the presence of asbestos waste been placed on the deed to the property? ✓
4. Does the site **landfarm contaminated soils**? ✓
a) If so, is it part of the approved operations? ✓
b) Where is it located? ON EAST SIDE

NOTES: HAS NOT TAKEN AWAY SINCE EXXON CLEAN OUT 2 YEARS AGO.

BRIEF SUMMARY OF THE RULES AND REGULATIONS GOVERNING SOLID WASTE DISPOSAL IN MONTANA -- CONTINUED

Section 45-8-113(1)(a), MCA (MSWMA) A person commits the offense of creating a hazard if he knowingly:

- (a) discards in any place where it might attract children a container having a compartment of more than 1½ cubic feet capacity and a door or lid that locks or fastens automatically when closed and cannot easily be opened from the inside and fails to remove the door, lid, or locking or fastening device;

40 CFR § 61.154(g) (NESHAP) Upon closure, comply with all the provisions of 40 CFR § 61.151.

J. Examination of Operation Records

ARM 16.14.521(1)(e) Owners or operators of all Class II landfill units must implement a program at the facility for detecting and preventing the disposal of regulated hazardous wastes or polychlorinated biphenyls (PCB) wastes. This program must include, at a minimum:

- (i) Records of any inspections;
- (iii) Training of facility personnel to recognize regulated hazardous waste and PCB wastes

ARM 16.14.521(1)(p) The owner or operator of a Class II disposal unit must record and retain at the facility or at an alternative location approved by the department, an operating record containing the following information as it becomes available:

- (i) Any location restriction demonstration required under this subchapter;
- (ii) Inspection records, training procedures, and notification procedures required under this subchapter;
- (iii) Gas monitoring results from monitoring and any remediation plans required by this subchapter;
- (iv) Any design documentation for construction or the placement of leachate or gas condensate in a landfill unit as required under this subchapter;
- (v) Any demonstration, certification, finding, monitoring, testing, or analytical data required by department ground water monitoring regulations found in ARM 16.14.701 *et. seq.*;
- (vi) Closure and post-closure care plans and any monitoring, testing, or analytical data of required by this subchapter;
- (vii) Any cost estimates and financial assurance documentation required by this subchapter;
- (viii) Any information demonstrating compliance with and approval of the small community exemption; and
- (ix) Any waste quantity records required under this subchapter.

ARM 16.14.707(4) A copy of all plans, reports, studies and other ground water monitoring methods or activities must be supplied to the department and placed in the operating record.

40 CFR 61.154(e)(1) For all asbestos-containing waste material received, the owner/operator of the MSWLF shall maintain waste shipment records.

40 CFR 61.154(e)(4) For all asbestos-containing waste material received, the owner/operator of the MSWLF shall retain a copy of all records and reports required by this paragraph for at least two years.

40 CFR 61.154(f) Maintain, until closure, records of the location, depth and area, and quantity in cubic meters (cubic yards) of asbestos-containing waste material within the disposal site on a map or diagram of the disposal area.

40 CFR 61.154(i) Furnish upon request and make available during normal business hours for inspection by the Administrator, all records required under this section.

ARM 16.14.405(1) Except as provided in 75-10-214, MCA, no person may dispose of solid waste or operate or maintain a solid waste management system after July 1, 1991 without an operating license from the department. The license period shall be for a base year from July 1 of one year through Jun 30 of the subsequent year.

ARM 16.14.405(1)(b) The department shall mail invoices for license renewal fees to license holders by June 15 of each year. License renewal fees will be calculated in accordance with Table 1, "Annual License Fee Schedule". Any solid waste management facility that does not fit into one of the categories listed in Table 1 shall be assessed fees no greater than major Class II landfill facilities. Payment of renewal fees may be submitted to the department quarterly, with the first payment due on or before July 31 of each base year. Failure to submit payments when due shall subject the license holder to the provisions of Section 75-10-116, MCA.

K. Additional Questions

ARM 16.14.406(3) In addition to the volume based fee specified in (1) of this rule, any person licensed to dispose of or incinerate solid waste shall submit to the department a quarterly fee of \$0.27 per ton of solid waste generated outside Montana and disposed of or incinerated within Montana. All facilities that accept wastes from outside Montana for the purpose of incineration or disposal must weigh the wastes accepted at the facility to accurately determine the volume accepted.

ARM 16.14.406(4) Each facility receiving waste generated outside Montana must record the weights of all out-of-state waste received and such records must be placed in the operating record and must be reported to the Department in the annual report specified in ARM 16.14.407.

I. Waste Reduction

1. Does the facility **recycle**?

a) What is recycled?

Used Oil

Aluminum Cans

Steel Cans/Scrap Metal

Glass

Paper

Batteries (Wet/Dry Cell)

Newspaper

Other

b) What is the frequency of removal?

c) Where are the recyclables taken?

Areas of Concern
Yes No N/A

—	✓	—
—	—	+
—	—	+
—	—	+
—	—	+
—	—	+
—	—	+
—	—	+

2. Does the facility **compost**?

a) What composting method is used?

b) What is composted?

c) What is the compost used for?

d) Is it contaminated?

3. Does the facility have a household hazardous waste collection area?

a) If so, what is collected?

b) How often is the material removed and who removes it?

c) What is the final disposition of the collected material?

Takes glass clippings & mulch to protect tree line

NOTES: Recycling done in town.

J. Examination of Operation Records (see ARM 16.14.521(1)(p))

1. Does the MSWLF have **weight/volume** records on-site? City Hall

2. Are **ground water monitoring** records on-site? (ARM 16.14.707(4))

a) If not, where are they?

b) When were the wells last sampled? April, results not back.

c) What was it sampled for? Table 1.

3. Does the MSWLF have records of **HW screenings**? (ARM 16.14.521(1)(e)(ii))

a) Where are they located? City Hall

b) Any records of personnel training? (ARM 16.14.521(1)(e)(iii))

4. Does the facility have on-site records of **landfill gas monitoring**?

5. Are **asbestos** waste shipment records maintained? (40 CFR § 61.154(e)(1))

a) Are copies of all required records and reports

retained for 2 years? (40 CFR § 61.154(e)(4))

b) Are records available for inspection? (40 CFR § 61.154(i))

c) Is a map or diagram of the asbestos disposal area being maintained? (40 CFR § 61.154(f))

6. In regard to **landfills**, are waste shipment records maintained?

a) Is the material typically analyzed?

b) What is the soil tested for? Has not known how long since

1993.

b) What volume of soils are accepted annually?

7. Are **leachate** analysis records stored on-site?

a) If not, where? None tested.

b) When was the last sampling event?

Yes No N/A

✓	—	—
✓	—	—
✓	—	—
✓	—	—
✓	—	✓
✓	—	✓
✓	—	✓
✓	—	—
✓	—	—
✓	—	—
—	✓	—

c) What contaminate(s) is the leachate tested for? _____

- | | | | | |
|-----|--|-------------------------------------|-------------------------------------|-----|
| 8. | Any location restriction documents? (ARM 16.14.521(1)(p)(i)) | ☒ | ___ | ___ |
| a) | What are they? <u>OPS PLAN, LICENSE APP. & PLAN SHEETS.</u> | | | |
| 9. | Any MSWLF unit design documentation for the construction or placement of leachate or gas condensate? (ARM 16.14.521(1)(p)(iv)) | ☒ | ___ | ___ |
| 10. | Closure and Post-closure care information on-site? (ARM 16.14.521(1)(p)(vi)) | ___ | ☒ | ___ |
| 11. | Cost estimates or financial assurance documents on-site? (ARM 16.14.521(1)(p)(vii)) | ___ | ☒ | ___ |
| 12. | Any information demonstrating compliance with small community exemption? (ARM 16.14.521(1)(p)(viii)) | ___ | ☒ | ___ |
| 13. | License issued? (ARM 16.14.405(1)) | ☒ | ___ | ___ |
| 14. | Fees paid? (ARM 16.14.405(1)(b)) | ☒ | ___ | ___ |

NOTES: Client working on closure & post closure, financial assurance

K. Additional Questions

- | | | | | |
|----|---|-------------------------------------|-------------------------------------|-----|
| 1. | Does the MSWLF accept out-of-state wastes? | Yes | No | N/A |
| a) | If so, how much? | ___ | ☒ | ___ |
| 2. | Are the weight records up to date? (ARM 16.14.406(4)) | ☒ | ___ | ___ |
| 3. | Has last quarter report and fee payment been submitted to the state? (ARM 16.14.406(3)) | ☒ | ___ | ___ |
| 4. | Out-of-state waste received from: _____ | | | |

ADDITIONAL NOTES AND/OR COMMENTS: _____

1. Name of the person or organization to whom the report is made

2. Title of the report

3. Date of the report

4. Name of the person or organization making the report

5. Title of the report

6. Date of the report

7. Name of the person or organization making the report

8. Title of the report

9. Date of the report

10. Name of the person or organization making the report

11. Title of the report

12. Date of the report

13. Name of the person or organization making the report

14. Title of the report

15. Date of the report

16. Name of the person or organization making the report



big Timben
Class II # 308

Burn-Pit

Big Timben
Class II

TIRE Pile to go to
MTS RECYCLERS

big Timben
Class II # 308
working face shows
lack of COVER.



P 989 801 671



Receipt for Certified Mail

No Insurance Coverage Provided
Do not use for International Mail
(See Reverse)

Sent to City of Big Timber	
Street and No. PO Box 416	
P.O., State and ZIP Code Big Timber, MT 59011	
Postage	\$
Certified Fee	
Special Delivery Fee	
Restricted Delivery Fee	
Return Receipt Showing to Whom & Date Delivered	
Return Receipt Showing to Whom, Date, and Addressee's Address	
TOTAL Postage & Fees	\$
Postmark or Date 11/23/94	

**STICK POSTAGE STAMPS TO ARTICLE TO COVER FIRST CLASS POSTAGE,
CERTIFIED MAIL FEE, AND CHARGES FOR ANY SELECTED OPTIONAL SERVICES (see front).**

1. If you want this receipt postmarked, stick the gummed stub to the right of the return address leaving the receipt attached and present the article at a post office service window or hand it to your rural carrier (no extra charge).
2. If you do not want this receipt postmarked, stick the gummed stub to the right of the return address of the article, date, detach and retain the receipt, and mail the article.
3. If you want a return receipt, write the certified mail number and your name and address on a return receipt card, Form 3811, and attach it to the front of the article by means of the gummed ends if space permits. Otherwise, affix to back of article. Endorse front of article **RETURN RECEIPT REQUESTED** adjacent to the number.
4. If you want delivery restricted to the addressee, or to an authorized agent of the addressee, endorse **RESTRICTED DELIVERY** on the front of the article.
5. Enter fees for the services requested in the appropriate spaces on the front of this receipt. If return receipt is requested, check the applicable blocks in item 1 of Form 3811.
6. Save this receipt and present it if you make inquiry.

105603-92-B-0054

ROUTE SLIP

DEPARTMENT OF HEALTH & ENVIRONMENTAL SCIENCES

TO: Proof (Carol) CU DATE: 11/17/94

1. Pat C.

2. Jon JD

3. Roger *pc*

- | | | |
|--|---|---|
| ☒ Approval | ☒ Comment | ☐ Necessary Action |
| ☐ Note and Return | ☐ Note and File | ☐ Investigate |
| ☐ Prepare reply | ☐ Signature | ☐ See Me |
| ☐ As requested | ☐ For your information | ☐ Per Conversation |

REMARKS:

File: Sweetgrass County / Big Timber
Class II Landfill

Thanks!

*file copy
mailed (certified)
11/23/94
BDM*

FROM:

Lara D.

TO: Chief (Carol) D. ...
FROM: ...

Subject: ...
Reference: ...

Enclosure: ...
Class II. Confidential

Thanks!
J. ...

Is your RETURN ADDRESS completed on the reverse side?

SENDER:

- Complete items 1 or 2 for additional services.
- Complete items 3, 4a & b.
- Print your name and address on the reverse of this form so that we can return this card to you.
- Attach this form to the front of the mailpiece, or on the back if space does not permit.
- Write "Return Receipt Requested" on the mailpiece below the article number.
- The Return Receipt will show to whom the article was delivered and the date delivered.

I also wish to receive the following services (for an extra fee):

1. ☐ Addressee's Address
2. ☐ Restricted Delivery

Consult postmaster for fee.

3. Article Addressed to:

City of Big Timber
PO Box 416
Big Timber, MT 59011

4a. Article Number

P 989 801 671

4b. Service Type

- | | |
|---|--|
| ☐ Registered | ☐ Insured |
| ☒ Certified | ☐ COD |
| ☐ Express Mail | ☒ Return Receipt for Merchandise |

7. Date of Delivery

11-28-94

5. Signature (Addressee)

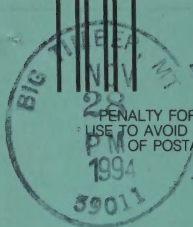
Hayden Peterson

6. Signature (Agent)

8. Addressee's Address (Only if requested and fee is paid)

UNITED STATES POST SERVICE

Official Business



PENALTY FOR PRIVATE
USE TO AVOID PAYMENT
OF POSTAGE, \$300

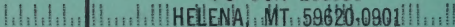


Print your name, address and ZIP Code here

MONTANA DEPARTMENT OF HEALTH
AND ENVIRONMENTAL SCIENCES
WASTE MANAGEMENT DIVISION
2209 PHOENIX AVENUE
PO BOX 200901

HELENA, MT 59620-0901

*Solid waste
program*



DEPARTMENT OF
HEALTH AND ENVIRONMENTAL SCIENCES

Waste Management Division

Solid Waste Program

406/444-1430

FAX # (406) 444-1499



STATE OF MONTANA

OFFICE 2209 PHOENIX AVE.
LOCATION: HELENA, MONTANA

MAILING PO BOX 200901
ADDRESS: HELENA, MT 59620-0901

November 22, 1994

CERTIFIED MAIL

City of Big Timber
P.O. Box 416
Big Timber, Montana 59011

SUBJECT: Big Timber Class II Landfill, License 308, Inspection

Dear Mayor Devenny and Council Members:

On October 20, 1994, Ron Thomas and I met to inspect the Big Timber Class II Landfill facility for compliance with the rules and regulations governing solid waste disposal in Montana. I would like to thank Mr. Thomas for the landfill tour.

Enclosed you will find a copy of the on-site observation report and the official inspection report. The latter report was based on the on-site observation report of which a copy was left with Ron Thomas at the time of my inspection. The official inspection report has been separated into various sections, such as General Operation and Maintenance Plan and Ground Water Monitoring Requirements. Each section has then been further divided into "Major Violations", "Minor Violations", and "Comments". Under the appropriate category, I have quoted the rule or regulation which was violated and an explanation of the specific problem. No major violations were noted. However, there was litter around the active disposal area and areas of inadequate cover which have been deemed minor violations. Minor violations need prompt attention to prevent them from becoming a major problem. These violations need to be corrected in order to bring your operation into compliance. Comments are suggestions or other observations and are not requirements of the Montana Department of Health and Environmental Sciences' rules.

The goal of inspections is to protect human health and the environment by ensuring compliance with our regulations. We will try to provide any assistance you may need. The Department expects to be notified as soon as your facility is in compliance. Thank you for your cooperation

Big Timber Class II Landfill
November 22, 1994
Page 2

in this matter and please do not hesitate to contact this office if you have any questions or comments.

Sincerely,

Lara M. Dando

Lara M. Dando
Solid and Hazardous Waste Specialist

cc/encl: Rod Fink, Courthouse, Box 111, Columbus, MT 59019
Adel Johnson, Air Quality Division, Helena, MT
Ron Thomas, City of Big Timber, P.O. Box 416, Big Timber, MT 59011

Enclosures: Official Inspection Report, On-Site Observation Report, Copy of Letter by Pat Crowley dated September 2, 1994

CB5405\WP\INSPECT.94\SWGRASS\BIGTIMBR.O20

SOLID WASTE MANAGEMENT SITE/SYSTEM OFFICIAL INSPECTION REPORT
CITY OF BIG TIMBER CLASS II LANDFILL
(ARM 16.14.526(1))

ARM = Administrative Rules of Montana

Department = Montana Department of Health and Environmental Sciences

MSWLF = Municipal solid waste landfill

NESHAP = National Emission Standards for Hazardous Air Pollutants

CFR = Code of Federal Regulations

MCA = Montana Code Annotated

MSWMA = Montana Solid Waste Management Act

ARM 16.14.526(1) ENFORCEMENT If after an inspection the department determines that violation of the act or this subchapter is occurring, it shall notify the licensee of the nature of the violation.

General Operational and Maintenance Requirements

Minor Violations:

ARM 16.14.521(1)(a) All Class II facilities using landfilling methods shall compact and cover solid waste with a layer of at least six (6) inches of approved earth cover material at the end of each operating day or at more frequent intervals if necessary to control disease vectors, fires, odors, blowing litter, and scavenging. Alternative daily cover materials such as geotextile fabrics, foams, compost, or other materials may be used in place of the six inches of approved earthen cover material only when approved by the department. The use of alternative daily cover materials must be done under a plan of operations approved of in advance by the department. The plan of operations for the use of alternative daily cover materials must include provisions for the application of six inches of approved earthen cover material at least once per week. The owner or operator must demonstrate to the department that the alternative material and thickness control disease vectors, fires, odors, blowing litter, and scavenging without presenting a threat to human health and the environment. Any portion of a Class II landfill unit that will not receive additional waste within 90 days must have an intermediate cover of at least one foot of approved earthen materials. These steps must be taken unless the department is satisfied that the licensee has shown good cause for not covering.

Upon inspection, I found areas of uncovered garbage in the trench. Group II waste is required to be covered and compacted at the end of each operating day.

ARM 16.14.520(6) Effective means shall be taken to control litter at solid waste storage and disposal facilities.

There was litter around the active portion of the landfill. If the waste is covered and compacted properly, litter problems would diminish.

Comments:

ARM 16.14.520(7) Owners or operators of all solid waste management systems must prevent or control on-site populations of disease vectors using techniques appropriate for the protection of human health and the environment.

Partially covered and uncovered waste attracts insects, rodents, and other animals that are potential vectors of numerous human diseases such as rabies and encephalitis. At the time of my inspection, no rodents or insects were seen.

MULTI-WASTE MANAGEMENT SYSTEMS OFFICIAL INSPECTION REPORT **CITY OF BIG TIMBER CLASS II LANDFILL** **(ARM 16.14.230(1))**

ARM 16.14.230(1) - Inspection of Landfill Operations
 ARM 16.14.230(2) - Inspection of Landfill Closure
 ARM 16.14.230(3) - Inspection of Landfill Gas Management

ARM 16.14.230(4) - Inspection of Landfill Leachate Management
 ARM 16.14.230(5) - Inspection of Landfill Fire Prevention
 ARM 16.14.230(6) - Inspection of Landfill Security

ARM 16.14.230(1) ENFORCEMENT: If after an inspection the department determines that violation of the act or this subchapter is occurring, it shall notify the licensee of the nature of the violation.

General Operational and Maintenance Requirements

Minor Violations:
 ARM 16.14.230(1)(a) All Class II landfills using landfilling methods shall compact and cover solid waste with a layer of at least six (6) inches of approved earth cover material at the end of each operating day or at more frequent intervals if necessary to control disease vectors, litter, odor, blowing litter, and scavenging. Alternative daily cover materials such as geotextile fabric, foam, compost, or other materials may be used in place of the six inches of approved earth cover material only when approved by the department. The use of alternative daily cover materials must be done under a plan of operations approved of in advance by the department. The plan of operations for the use of alternative daily cover materials must include provisions for the application of six inches of approved earth cover material at least once per week. The owner or operator must demonstrate to the department that the alternative material and thickness control disease vectors, litter, odor, blowing litter, and scavenging without presenting a threat to human health and the environment. Any portion of a Class II landfill unit that will not receive additional waste within 90 days must have an intermediate cover of at least one foot of approved earth cover material. These steps must be taken unless the department is satisfied that the licensee has shown good cause for not covering.

Upon inspection, I found areas of uncovered garbage in the trench. Group II waste is required to be covered and compacted at the end of each operating day.

ARM 16.14.230(6) Effective means shall be taken to control litter in solid waste storage and disposal facilities.

There was litter around the active portion of the landfill. If the waste is covered and compacted properly, litter problems would diminish.

Comments:
 ARM 16.14.230(7) Owners or operators of all solid waste management systems must prevent or control on-site populations of disease vectors using techniques appropriate for the protection of human health and the environment.

Partially covered and uncovered waste attracts insects, rodents, and other animals that are potential vectors of numerous human diseases such as rabies and encephalitis. At the time of my inspection, no rodents or insects were seen.

Ground Water Monitoring Requirements

Violations: None that were noted at time of inspection.

Leachate Collection Requirements

Violations: None that were noted at time of inspection.

Comments: Pat Crowley of this office approved your updated Operation and Maintenance Plan September 2, 1994.

Therefore, if you have any questions concerning the leachate collection system already in place, please contact him at 444-1430.

Burn Pile Management Requirements

Violations: None noted at time of inspection.

Comments:

ARM 16.8.1307(1)(b) The department may issue a conditional air quality open burning permit for the disposal of:

(b) Untreated wood waste at licensed landfill sites...

A little bit of painted wood was noted in the burn pile. Mr. Thomas said the contaminants would be removed as soon as possible.

Regulated Hazardous Waste Detection and Disposal Prevention

Violation: None noted at time of inspection.

Comments:

ARM 16.14.521(1)(e) Owners or operators of all Class II landfill units must implement a program at the facility for detecting and preventing the disposal of regulated hazardous wastes or polychlorinated biphenyls (PCB) wastes. This program must include, at a minimum:

(i) Random inspections of incoming loads unless the owner or operator takes other steps to ensure that incoming loads do not contain regulated hazardous wastes or PCB wastes;

(ii) Records of any inspections;

(iii) Training of facility personnel to recognize regulated hazardous waste and PCB wastes;

Your screening plan was approved by Pat Crowley in his September 2, 1994 letter (copy enclosed). Therefore, the plan should have been implemented at that time.

Ground Water Monitoring Requirements

Violations: None that were noted at time of inspection.

Leachate Collection Requirements

Violations: None that were noted at time of inspection.

Comments: Pat Crowley of this office approved your updated Operation and Maintenance Plan September 2, 1994.

Therefore, if you have any questions concerning the leachate collection system already in place, please contact him at 444-1430.

Barrel Pile Management Requirements

Violations: None noted at time of inspection.

Comments: ARM 16.1307(f)(5) The department may issue a conditional air quality open burning permit for the disposal of:

(b) Unmixed wood waste at licensed landfill sites.

A full pile of painted wood was noted in the burn pile. Mr. Thomas said the contamination would be removed as soon as possible.

Regulated Hazardous Waste Detection and Disposal Prevention

Violations: None noted at time of inspection.

Comments: ARM 16.1432(i)(4) Owners or operators of all Class II landfill units must implement a program at the facility for detecting and preventing the disposal of regulated hazardous wastes or polychlorinated biphenyls (PCB) wastes. This program must include, at a minimum:

- (i) Random inspections of incoming loads unless the owner or operator takes other steps to ensure that incoming loads do not contain regulated hazardous wastes or PCB wastes;
- (ii) Records of any inspections;
- (iii) Training of facility personnel to recognize regulated hazardous waste and PCB wastes;

Your screening plan was approved by Pat Crowley in his September 2, 1994 letter (copy enclosed). Therefore, the plan should have been implemented at that time.

Landfill Gas Monitoring

Violations: None noted at time of inspection.

Comments:

ARM 16.14.521(1)(g) Owners or operators of all Class II landfill units must implement a department approved routine methane monitoring program that ensures that the standards of (f) of this subsection are met and that meets the following requirements:

- (i) The type and frequency of monitoring must be determined based on the following factors:
 - (A) Soil conditions;
 - (B) The hydrogeologic conditions surrounding the facility;
 - (C) The hydraulic conditions surrounding the facility; and
 - (D) The location of facility structures and property boundaries.

It is my understanding that the Solid Waste Program is still waiting for this quarter's methane monitoring results. Please submit these results as soon as possible.

Run-on/Run-off Control Requirements

Violations: None noted at time of inspection.

Comments: Water was noted in the leachate collection area of the active trench. No water was in contact with the waste.

Special Waste Handling

Violations: None noted at time of inspection.

Comments: Site does compost yard waste at the landfill, and it was not contaminated.

Examination of Operation Records

Violations: No violations noted at time of inspection.

Comments: Operating Record was kept in the City Hall office. It could be organized a little bit better by keeping all the required information in one area instead of spread out in the office.

DEPARTMENT OF
HEALTH AND ENVIRONMENTAL SCIENCES

Waste Management Division
Solid Waste Program
406/444-1430

FAX # (406) 444-1499



STATE OF MONTANA

OFFICE 2209 PHOENIX AVE.
LOCATION: HELENA, MONTANA

MAILING PO BOX 200901
ADDRESS: HELENA, MT 59620-0901

September 2, 1994

Kevin J. Hutchins
City of Big Timber Landfill
PO BOX 416
Big Timber, MT 59011

Dear Mr. Hutchins:

I have reviewed the additions to the Big Timber Landfill's Plan of Operations as proposed in your letter of June 2, 1994 and have the following comments:

Waste Screening Plan

The Plan as proposed meets the regulatory requirements for the waste stream anticipated at the landfill. Please remember that all of the waste screening records should be made a part of your operating record and be available for review during Department inspections.

Methane Monitoring

The regulatory requirements for methane monitoring are 25% of the LEL in facility structures and 100% of the LEL at the property boundary. Since the requirements also include that the monitoring be based on site soils, hydrogeology, potential pathways, potential barriers, water levels, and the structures and property boundaries (i.e. distance to the boundary and then the distance to other persons). The methane monitoring plan should include:

1. A map depicting the proposed locations for methane monitoring should be supplied to the Department for approval. This map should show the location of any nearby structures as well as facilities at the landfill.
2. Depth of the proposed probe locations. The methane monitoring points must be located based on the depth to the water table and the depth of any nearby refuse as well as the pathways (like sand lenses) and barriers (such as frost in the winter). The geology at the Big Timber site is such that the water beneath the landfill is mostly in what is called a confined aquifer. This indicates that most of the methane migration pathways should be above this level. Special attention should be paid to shallow sand lenses that are intercepted by the trenches at the landfill.

DEPARTMENT OF HEALTH AND ENVIRONMENTAL SCIENCES

Waste Management Division
Solid Waste Program
406/444-1430



STATE OF MONTANA

DATE: 10/1/84

MAILING TO: BOB DODD
ADDRESS: 1000 N. 10TH ST.
MONTANA 59101

OFFICE: 406/444-1430
LOCATION: HELENA, MONTANA

September 1, 1984

Kevin J. Hutchinson
City of Big Timber Landfill
PO BOX 416
Big Timber, MT 59011

Dear Mr. Hutchinson:

I have reviewed the additions to the Big Timber Landfill's Plan of Operations as proposed in your letter of June 1, 1984 and have the following comments:

Waste Screening Plan

The Plan as proposed meets the regulatory requirements for the waste stream anticipated at the landfill. Please remember that all of the waste screening records should be made a part of your operating record and be available for review during Department inspections.

Methane Monitoring

The regulatory requirements for methane monitoring are 25% of the LEL in facility structures and 100% of the LEL at the property boundary. Since the requirements also include that the monitoring be based on site soils, hydrogeology, potential pathways, potential barriers, water levels, and the structures and property boundaries (i.e., distance to the boundary and then the distance to other persons), the methane monitoring plan should include:

1. A map depicting the proposed locations for methane monitoring should be supplied to the Department for approval. This map should show the location of any nearby structures as well as facilities at the landfill.

2. Depth of the proposed probe locations. The methane monitoring points must be located based on the depth to the water table and the depth of any nearby refuse as well as the pathways (like sand lenses) and barriers (such as frost in the winter). The geology at the Big Timber site is such that the water beneath the landfill is mostly in what is called a confined aquifer. This indicates that most of the methane migration pathways should be above this level. Special attention should be paid to shallow sand lenses that are intersected by the trenches at the landfill.

Big Timber
September 2, 1994
Page Two

3. Suggested locations include on the fence line due West of the current trench, by the gate, and on the fence line due south of the trenches.

4. Culverts should be sampled. Methane/CO₂ mixtures are heavier than air and tend to accumulate in low lying areas.

5. The make and model of the methane meter selected should be supplied to the Department. It should be calibrated with an appropriate methane gas mixture and operated according to the manufacturer's instructions.

I am enclosing a copy of a simple methane plan from Valley County for your information.

Leachate Collection System

The leachate collection system must be operated so that no more than 1 foot accumulates prior to removal. The use of the same probe to measure water levels in the leachate system and the ground water monitoring wells is strongly discouraged. One accidental cross contamination will more than nullify any cost savings of not using dedicated equipment. A simpler method, such as the use of a series of 1 inch PVC pipe sections to probe the leachate riser might be just as effective and cheaper.

The design of the current cell's leachate collection system does not meet the new requirements of Department regulations adopted as a result of the EPA's Subtitle D rules. The next cell (trench) will require a liner and leachate collection system that meets the requirements of ARM 16.14.506. Unfortunately, the Department is not in the landfill design business and will only be able to review designs presented to insure that they meet the regulatory requirements. I would urge you, if you will be continuing to use the landfill beyond the life of the current cell, to begin the design process at least a year in advance of the need for additional space. The design, bidding, and construction may take longer than anticipated. Design requirements are specified in ARM 16.14.506.

Ground Water Monitoring

There appears to be some confusion regarding the status of ground water monitoring at the Big Timber Landfill. As Patricia Potts stated in her letter of April 19, 1994, the seven wells present at the site are adequate to provide for the initial hydrogeological characterization of the site but are not necessarily adequate as a monitoring network. In that letter she also said that Big Timber should immediately begin monthly water level measurements so that an assessment of the flow direction could be made in August and a determination of the adequacy of the existing well placement could be

made prior to October 9, 1994. Since these measurements were not performed, the Department does not have the additional information required to make a decision on these matters. Please commence the required monthly water level measurements at once.

One of the primary reasons for sampling all seven wells was the ability to create a sufficient population of samples for the required statistical evaluation of sampling results. The lack of water level measurements may require that the Department, instead of being able to evaluate a proposed monitoring network, may have to require that a second round of sampling be conducted on all seven wells again in the spring, rather than concentrating the sampling on a reduced number of properly located wells. Please consult with Huntingdon Chen-Northern on the groundwater data analysis required by ARM 16.14.706(12).

A sampling and analysis plan for the landfill is also required. For the first event, the Standard Operating Procedures used by Huntingdon will suffice as this firm has been active at several landfills in Montana and is familiar with Department regulations. They can advise you on the requirements of ARM 16.14.706(1).

Closure Plan

For the time being, the Department has accepted the closure plan as presented on Plan Sheet 4 of 9. "Final Contour Plan" of the Damschen and Associates plans for the landfill dated February 1990. This design may have to change as the Big Timber Landfill progresses to lined cells. The permeability of the final cover infiltration layer must contain a minimum 18 inches of earthen material and have a permeability less than or equal to the permeability of any bottom liner, barrier layer, or natural subsoils present, or a permeability no greater than 1×10^{-5} cm/sec, whichever is less. I would also call your attention to the construction QA/QC requirements of final cap design specified in ARM 16.14.506(12). The requirements normally require the services of a professional engineer.

The closure of landfill units must be completed within 180 days of the start of closure activities. The unit must be revegetated within one year. The vegetation of closed areas should be done with a grass mix approved by the Soil Conservation Service for the area.

A notation must be placed on the deed to the property indicating that it was used as a landfill.

An estimate of the cost of a third party to close the largest area of the landfill requiring final closure (and proof of the financial mechanism to provide for the closure) must be provided to the Department by April 9, 1994. This estimate must be annually updated and appropriately funded. Must Montana towns do not have the

Big Timber
September 2, 1994
Page Four

financial depth to provide the required financial assurance without setting up a dedicated trust fund. Financial assurance requirements are delineated in ARM 16.14.540.

A 30 year post closure care period is also required. These requirements are specified in ARM 16.14.531(1) and include:

(a) Following closure of each Class II landfill unit, the owner or operator must conduct post-closure care. Post-closure care must be conducted for 30 years, except as provided under (b) of this subsection, and consist of at least the following:

(i) Maintaining the integrity and effectiveness of any final cover, including making repairs to the cover as necessary to correct the effects of settlement, subsidence, erosion, or other events, and preventing run-on and run-off from eroding or otherwise damaging the final cover;

(ii) Maintaining and operating the leachate collection system in accordance with the requirements in ARM 16.14.506. The department may allow the owner or operator to stop managing leachate if the owner or operator demonstrates that leachate no longer poses a threat to human health and the environment;

(iii) Monitoring the ground water in accordance with the requirements of ARM Title 16, chapter 14, subchapter 7, and maintaining the ground water monitoring system, if applicable; and

(iv) Maintaining and operating the gas monitoring system in accordance with the requirements of ARM 16.14.521.

Following the thirty year post closure care of the unit, a certification by a P.E. must be submitted to the Department.

Run-off control and the Montana Pollution Discharge Elimination System (MPDES) Permit

Barry Damschen sized the run-off detention pond to handle the 24 hour, 25 year precipitation event. This meets current requirements. Your Operations Plan should also reflect a commitment to use appropriate Best Management Practices (BMP's) to eliminate possible point and non-point sources at the landfill. I have attached a copy of the EPA suggestions on BMP's at landfills for your reference.

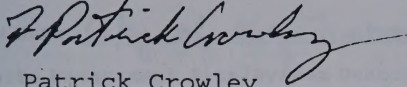
Because the Big Timber Landfill pond design includes two potential discharge points, the spillway and the pipe, it will also require a Stormwater Discharge Permit from the Water Quality Division. Please contact Roxanne Lincoln at 444-5338 for the appropriate application form.

I hope this review of your submittal has been helpful. We understand that landfill operations under the new rules required by the EPA is

Big Timber
September 2, 1994
Page Five

much more complex than before. If we can be of further help, please feel free to contact any of us at the Solid Waste Program.

Sincerely,



F. Patrick Crowley
Solid Waste Regulatory Lead

Enclosures: Valley County Methane, EPA BMP's

Big Timber ~~_____~~ *Co.*
File: Twin Bridges Landfill\Sweet Grass County
Path: H:\cbsj03\wp\landfill\BIGT.OPS

Date: 10/19/94

Time of Arrival: 7:00 AM

Time of Departure: _____

Total Hours: _____

SOLID WASTE MANAGEMENT SITE/SYSTEM - ON-SITE OBSERVATION FORM
(This is not the Notice of Violation mentioned in Section 75-10-227, MCA)

Facility Name City of Big Timber Class II Landfill License No. 308
Solid Waste Management Site/System Description Class II
Location 4.5 miles NE of Big Timber on Howie Road
Owner City of Big Timber Phone 932-5611
Address PO Box 416 City Big Timber, MT 59011
Operator Ron Thomas Phone _____
Address Same as above City _____, MT _____
Landfill Representative(s) Present Ron Thomas Title DPW
Title _____
DHES Representative(s) Present Lara M. Dando Title SHW Specialist
Title _____

(Answer all questions; mark N/A if not applicable; please print)

A. General Operational and Maintenance Requirements

Areas of Concern

Yes No N/A

- | | | | |
|--|-------------------------------------|-------------------------------------|-------------------------------------|
| 1. Operational Records located where? <u>City Hall</u> | ☒ | ☐ | ☐ |
| 2. Dumping confined to a manageable area? (ARM 16.14.520(4)) | ☒ | ☐ | ☐ |
| 3. Refuse properly covered after each operating day? (ARM 16.14.521(1)(a)) | ☐ | ☒ | ☐ |
| a) Alternative Daily Cover in use? (ARM 16.14.521(1)(a)) | ☐ | ☒ | ☐ |
| b) If so, what kind? _____ | ☐ | ☐ | ☐ |
| 4. If a Class III landfill, covered at least quarterly? (ARM 16.14.521(2)) | ☐ | ☐ | ☒ |
| 5. Daily Spreading and compaction of refuse adequate? (ARM 16.14.521(1)(a)) | ☒ | ☐ | ☐ |
| 6. Depth, spreading, and grading of intermediate cover adequate? (ARM 16.14.521(1)(a)) | ☒ | ☐ | ☐ |
| 7. Final cover on filled areas? (ARM 16.14.530(1)(a)) | ☐ | ☐ | ☒ |
| 8. Rodents and insects controlled? (ARM 16.14.520(7)) | ☒ | ☐ | ☐ |
| 9. Blowing litter controlled? (ARM 16.14.520(6)) <u>Some on-site</u> | ☒ | ☒ | ☐ |
| 10. Access to site controlled? (ARM 16.14.520(4) and (5)) | ☒ | ☒ | ☐ |
| Sign(s) | ☒ | ☐ | ☐ |
| Gate(s) | ☒ | ☐ | ☐ |
| Fences(s) (ARM 16.14.521(1)(c)) | ☒ | ☐ | ☐ |
| Supervision | ☒ | ☐ | ☐ |
| 11. Approach road properly maintained? (ARM 16.14.505(1)(b)) | ☒ | ☐ | ☐ |
| 12. Solid Waste Management facility equipment visible on-site? | ☒ | ☐ | ☒ |
| a) If so, what kind(s) <u>Dzer</u> | ☐ | ☐ | ☐ |
| 13. Where refuse containers are utilized, are they maintained and kept in a sanitary manner? (ARM 16.14.521(1)(d)) | ☐ | ☒ | ☒ |
| a) Are they emptied at least once a week? (ARM 16.14.521(1)(d)) | ☐ | ☒ | ☒ |
| 14. Salvaging going on? (ARM 16.14.520(8)) | ☐ | ☒ | ☒ |
| a) Approved salvaging plan on-file with DHES? | ☐ | ☐ | ☒ |
| 15. What method is used to measure waste volumes? (ARM 16.14.521(1)(c)) | ☐ | ☐ | ☒ |

Visual

a) How often is volume measured? Each time

BRIEF SUMMARY OF THE RULES AND REGULATIONS GOVERNING SOLID WASTE DISPOSAL IN MONTANA

1 = Administrative Rules of Montana

Department = Montana Department of Health and Environmental Sciences

VLF = Municipal solid waste landfill

HAP = National Emission Standards for Hazardous Air Pollutants

CFR = Code of Federal Register

MCA = Montana Code Annotated

MSWMA = Montana Solid Waste Management Act

General Operational and Maintenance Requirements

16.14.505(1)(b) Where public use or year round access is contemplated, access roads and bridges must be capable of supporting loaded vehicles during all types of weather.

16.14.520(4) Dumping of solid waste must be confined to areas within the disposal facility that can be effectively maintained and operated in accordance with this rule. This must be controlled by supervision, fencing, signs or similar means approved by the department.

16.14.520(5) Owners or operators of all solid waste management systems must control public access and prevent unauthorized vehicular traffic and illegal dumping of wastes by using artificial barriers, natural barriers, or both, as appropriate to protect human health and the environment.

16.14.520(6) Effective means shall be taken to control litter at solid waste storage and disposal facilities.

16.14.520(7) Owners or operators of all solid waste management systems must prevent or control on-site populations of disease vectors using techniques appropriate to the protection of human health and the environment.

16.14.520(8) Salvaging of materials at all facilities is expressly prohibited unless the owner or operator demonstrates to the department's satisfaction that it can be done in a manner protective of human health and the environment.

16.14.521(1)(a) All Class II facilities using landfilling methods shall compact and cover solid waste with a layer of at least six (6) inches of approved earth cover material at the end of each operating day or at more frequent intervals if necessary to control disease vectors, fires, odors, blowing litter, and scavenging. Alternative daily cover materials such as geotextile fabrics, foams, compost, or other materials may be used in place of the six inches of approved earthen cover material only when approved by the department. The use of alternative daily cover materials must be done under a plan of operations approved of in advance by the department. The plan of operations for the use of alternative daily cover materials must include provisions for the application of six inches of approved earthen cover material at least once per week. The owner or operator must demonstrate to the department that the alternative material and thickness control disease vectors, fires, odors, blowing litter, and scavenging without presenting a threat to human health and the environment. Any portion of a Class II landfill unit that will not receive additional waste within 90 days must have an intermediate cover of at least one foot of approved earthen materials. These steps must be taken unless the department is satisfied that the licensee has shown cause for not covering.

16.14.521(1)(c) Landfills must be fenced to prevent unauthorized access and must be supervised when open.

16.14.521(1)(d) Where transfer stations are utilized as part of a management system for Group II solid wastes, all containers must be maintained and kept in a sanitary manner and emptied at least once a week.

16.14.521(1)(o) Class II landfill facilities must weigh or otherwise accurately record all volumes of waste entering the facility.

16.14.521(2) Although Class III landfills are not required to cover wastes in disposal areas by earth materials daily, the wastes must be covered at least quarterly with six inches of a department approved earthen cover material.

16.14.530(1)(a) Owners or operators of all Class II landfill units must install a final cover system that is designed to minimize infiltration and erosion. . . .

Section 75-10-221(1), MCA (MSWMA) . . . no person may dispose of solid waste or operate a solid waste management system without a license from the department.

Section 75-10-227(1), MCA (MSWMA) When the department believes that a violation of part 1 or this part, a violation of a rule adopted under part 1 or this part, or a violation of a permit provision has occurred, it may serve written notice of the violation on the alleged violator or his agent. The notice must specify the provision of law, rule, or permit alleged to be violated and the facts alleged to constitute a violation and may include an order to take necessary corrective action within a reasonable period of time stated in the order. . . . (For the complete law, please refer to the Montana Solid Waste Management Act.)

Ground Water Monitoring Requirements

16.14.701(2) Compliance with the requirements of this subchapter must be implemented according to the following schedule:

- (a) All new Class II units must be in compliance with this subchapter and initial sampling must be completed before waste can be placed in the unit;
- (b) Existing Class II units and lateral expansions that serve a geographic area with a population of 5,000 or more persons must be in compliance with all requirements of this subchapter and have commenced ground water monitoring by October 9, 1993; and
- (c) Existing Class II disposal units and lateral expansions that serve a geographic area with a population of 4,999 persons or less, . . . must comply with this subchapter according to the following schedule:
 - (i) Existing Class II disposal units and lateral expansions less than one mile from a drinking water intake (surface or subsurface) must be in compliance and have commenced ground water monitoring by October 9, 1994;
 - (ii) Existing Class II disposal units and lateral expansions greater than one mile but less than two miles from a drinking water intake (surface or subsurface) must be in compliance and have commenced ground water monitoring by October 9, 1995;
 - (iii) Existing Class II disposal units and lateral expansions greater than two miles from a drinking water intake (surface or subsurface) must be in compliance and have commenced ground water monitoring by October 9, 1996.

16.14.704(1) The background groundwater quality monitoring well(s) must be located so as to monitor the quality of groundwater representative of the groundwater at the relevant point of compliance that has not been affected by leakage from the unit. At least one background water quality monitoring well is required at all

NOTES: _____

B. Ground Water Monitoring Requirements

Areas of Concern
Yes No N/A

- 1. Does the facility have an approved monitoring program? (ARM 16.14.701(2)) approx. 7 Yes ☒ No ☐ N/A ☐
- 2. How many wells are in the sampling program? (ARM 16.14.704(1)) approx. 7 Yes ☒ No ☐ N/A ☐
- 3. Are the wells sealed at ground level? (ARM 16.14.705(7) (c)) Yes ☒ No ☐ N/A ☐
- 4. Are the wells locked? (ARM 16.14.705(8)) Yes ☒ No ☐ N/A ☐
- 5. Does the site have a No Migration Petition? (ARM 16.14.714(1)) Yes ☐ No ☒ N/A ☐

NOTES: Oct 9 - wells were supposed to be monitored & sampled

C. Leachate Collection Requirements

Yes No N/A

- 1. Does the municipal solid waste landfill (MSWLF) have a leachate collection program? (ARM 16.14.506(1) (b)) Yes ☒ No ☐ N/A ☐
 - a) What happens to the leachate? Collected at SE corner of trench
 - b) How often is it sampled? Not sampled, but should be checked monthly.

NOTES: How can they sample this?

D. Burn Pile Management Requirements

Yes No N/A

- 1. Does site burn untreated wood waste and is it controlled? (ARM 16.14.520(2)) Yes ☒ No ☐ N/A ☐
- 2. Has an Air Quality Bureau permit been issued? (ARM 16.8.1307(1) (b)) Yes ☒ No ☐ N/A ☐
 - a) Will burn be completed within 24 hours? (ARM 16.8.1307(2) (b)) Yes ☒ No ☐ N/A ☐
- 3. Has burn pile been contaminated? (ARM 16.8.1307(1) (b)) Yes ☒ No ☐ N/A ☐
 - a) If so, with what? Painted wood

NOTES: Not too large. Well managed

E. Regulated Hazardous Waste Detection and Disposal Prevention

Yes No N/A

- 1. Does the municipal solid waste landfill (MSWLF) have an approved regulated hazardous waste and polychlorinated biphenyl (PCB) waste screening program at the facility? (ARM 16.14.521(1) (e)) Yes ☐ No ☒ N/A ☐
- 2. Does the MSWLF perform random inspections? (ARM 16.14.521(1) (e) (i)) Yes ☐ No ☒ N/A ☐
 - a) How often? 1
- 3. What material is screened? 1

NOTES: Check with Pat to see if he has OK'd the plan

HE R WA

BRIEF SUMMARY OF THE RULES AND REGULATIONS GOVERNING SOLID WASTE DISPOSAL IN MONTANA -- CONTINUED

facilities. At least two background wells must be installed at facilities where statistics will be utilized for groundwater quality data evaluation unless it can be demonstrated to the department's satisfaction that a single well will suffice for the statistical test method chosen for ARM 16.14.706.

ARM 16.14.705(7)(c) All monitoring wells must be constructed:

- (c) With grout or other seal material extended down to within five feet of the zone being monitored.

ARM 16.14.705(8) All groundwater monitoring wells shall have caps to prevent contaminants from entering the monitoring device. All monitoring wells shall have protective outer casings and locking lids. The lids shall be kept locked. The department may require additional protective devices such as rings or brightly colored posts around any monitoring device.

ARM 16.14.714(1) Groundwater monitoring at a facility may be waived by the department if the facility owner or operator can demonstrate there is no potential for hazardous constituents to contaminate the uppermost aquifer.

C. Leachate Collection Requirements

ARM 16.14.506(1)(b) New Class II landfill units and lateral expansions must be constructed:

- (b) With a composite liner and a leachate collection system. . . .

D. Burn Pile Management Requirements

ARM 16.14.520(2) Open burning at all facilities is prohibited unless a permit has been obtained from the department.

ARM 16.8.1307(1)(b) The department may issue a conditional air quality open burning permit for the disposal of:

- (b) Untreated wood waste at licensed landfill sites

ARM 16.8.1307(2)(b) An air quality open burning permit issued under this rule is valid for

- (b) untreated wood waste at licensed landfill sites -- single burn. A new permit must be obtained for each burn.

E. Regulated Hazardous Waste Detection and Disposal Prevention

ARM 16.14.521(1)(e) Owners or operators of all Class II landfill units must implement a program at the facility for detecting and preventing the disposal of regulated hazardous wastes or polychlorinated biphenyls (PCB) wastes. This program must include, at a minimum:

- (i) Random inspections of incoming loads unless the owner or operator takes other steps to ensure that incoming loads do not contain regulated hazardous wastes or PCB wastes;
- (ii) Records of any inspections;
- (iii) Training of facility personnel to recognize regulated hazardous waste and PCB wastes

F. Landfill Gas Monitoring

ARM 16.14.521(1)(g) Owners or operators of all Class II landfill units must implement a department approved routine methane monitoring program that ensures that the standards of (f) of this subsection are met and that meets the following requirements:

- (i) The type and frequency of monitoring must be determined based on the following factors:
 - (A) Soil conditions;
 - (B) The hydrogeologic conditions surrounding the facility;
 - (C) The hydraulic conditions surrounding the facility; and
 - (D) The location of facility structures and property boundaries.

G. Run-on/Run-off Control Requirements

ARM 16.14.521(1)(j) Owners or operators of all Class II disposal units must design, construct, and maintain:

- (i) A run-on control system to prevent flow onto the active portion of the landfill during the peak discharge from a 25-year storm;
- (ii) A run-off control system from the active portion of the landfill to collect and control at least the water volume resulting from a 24-hour, 25-year storm.

ARM 16.20.1301 et. seq. The purpose of this subchapter . . . is to establish and implement one common system for issuing permits for point sources discharging pollutants into state waters, and is intended to allow the board and department to administer a pollutant discharge permit system which is compatible with the National Pollutant Discharge Elimination System as established by the U.S. Environmental Protection Agency. . . .

H. Special Waste Handling

Clean Air Act of 1990 Effective July 1, 1992, it shall be unlawful for any person, in the course of maintaining, servicing, repairing, or disposing of any appliance or industrial process refrigeration, to knowingly vent or otherwise knowingly release or dispose of any Class I or Class II substance used as a refrigerant in such appliance (or industrial process refrigeration) in a manner which permits such substance to enter the environment.

F. Landfill Gas Monitoring

~~MSWLF Gas Monitoring~~

Yes No N/A

1. Does the MSWLF have an approved methane gas monitoring program? (ARM 16.14.521(1)(g)) ☒ Yes ☐ No ☐ N/A
2. How many permanent methane monitoring stations does the facility have? ~4 ☐ Yes ☐ No ☐ N/A
3. How many temporary bore holes used? 0 ☐ Yes ☐ No ☐ N/A
4. Are all facility buildings tested for methane?
 - a) Which ones? Not yet. ☐ Yes ☒ No ☐ N/A
 - b) What instrument is used? Chem-Northem's ☐ Yes ☐ No ☐ N/A
5. How often are they sampled? (ARM 16.14.521(1)(g)(i)) Quarterly minimum ☐ Yes ☐ No ☐ N/A
6. Readings reported in percent lower explosion limit (% LEL) for methane, percent volume of explosive gas in air, or in parts per million (ppm) of combustible gases? ? ☐ Yes ☐ No ☐ N/A
7. Department checks conducted on wells?
 - a) Results? ☐ Yes ☐ No ☐ N/A

NOTES: Looked OK.

G. Run-on/Run-off Control Requirements

Yes No N/A

1. Does the MSWLF have a run-on control system? (ARM 16.14.521(1)(j)(i)) ☒ Yes ☐ No ☐ N/A
2. Does the MSWLF have a run-off control system? (ARM 16.14.521(1)(j)(ii)) ☒ Yes ☐ No ☐ N/A
3. Does the site have a Montana Pollutant Discharge Elimination System (MPDES) permit? (ARM 16.20.1301 et. seq.) ☐ Yes ☒ No ☐ N/A
- b) What is its permit number?

NOTES: Water in pit by leachate collection system.

H. Special Waste Handling

Yes No N/A

1. White goods stored on-site?
 - a) If so, has CFC removal been documented? (Clean Air Act of November 1990) no refrigerators ☒ Yes ☒ No ☐ N/A
 - b) Have refrigerator doors been sealed or disabled? (§ 45-8-113(a), MCA) ☐ Yes ☐ No ☒ N/A
 - c) Are White Goods recycled? ☒ Yes ☐ No ☐ N/A
 - d) By whom? MT Recycle Now - Billings ☐ Yes ☐ No ☐ N/A
 - e) How often are they removed from site? ☐ Yes ☐ No ☐ N/A
2. Dead animals accepted?
 - a) If so, does the facility have a special disposal area? ☒ Yes ☐ No ☐ N/A
 - b) Where is it located? ☐ Yes ☐ No ☐ N/A
3. Is asbestos disposed on-site?
 - a) If so, is there a special disposal area for it? ☐ Yes ☒ No ☐ N/A
 - b) A map available? ☐ Yes ☐ No ☐ N/A
 - c) Covered with at least six inches of soil? ☐ Yes ☐ No ☐ N/A
 - d) If closed, has the disposal site operator informed EPA as to the location and amount of waste deposited? (40 CFR § 61.154(g)) ☐ Yes ☐ No ☐ N/A
 - e) If closed, has a notification concerning the presence of asbestos waste been placed on the deed to the property? ☐ Yes ☐ No ☐ N/A
4. Does the site landfarm contaminated soils?
 - a) If so, is it part of the approved operations? ☒ Yes ☐ No ☐ N/A
 - b) Where is it located? In licensed area in the SE corner ☐ Yes ☐ No ☐ N/A

NOTES:

BRIEF SUMMARY OF THE RULES AND REGULATIONS GOVERNING SOLID WASTE DISPOSAL IN MONTANA -- CONTINUED

Section 45-8-113(1)(a), MCA (MSWMA) A person commits the offense of creating a hazard if he knowingly:

- (a) discards in any place where it might attract children a container having a compartment of more than 1½ cubic feet capacity and a door or lid that locks or fastens automatically when closed and cannot easily be opened from the inside and fails to remove the door, lid, or locking or fastening device;

40 CFR § 61.154(g) (NESHAP) Upon closure, comply with all the provisions of 40 CFR § 61.151.

J. Examination of Operation Records

ARM 16.14.521(1)(c) Owners or operators of all Class II landfill units must implement a program at the facility for detecting and preventing the disposal of regulated hazardous wastes or polychlorinated biphenyls (PCB) wastes. This program must include, at a minimum:

- (ii) Records of any inspections;
- (iii) Training of facility personnel to recognize regulated hazardous waste and PCB wastes . . .

ARM 16.14.521(1)(p) The owner or operator of a Class II disposal unit must record and retain at the facility or at an alternative location approved by the department, an operating record containing the following information as it becomes available:

- (i) Any location restriction demonstration required under this subchapter;
- (ii) Inspection records, training procedures, and notification procedures required under this subchapter;
- (iii) Gas monitoring results from monitoring and any remediation plans required by this subchapter;
- (iv) Any design documentation for construction or the placement of leachate or gas condensate in a landfill unit as required under this subchapter;
- (v) Any demonstration, certification, finding, monitoring, testing, or analytical data required by department ground water monitoring regulations found in ARM 16.14.701 *et. seq.*;
- (vi) Closure and post-closure care plans and any monitoring, testing, or analytical data of required by this subchapter;
- (vii) Any cost estimates and financial assurance documentation required by this subchapter;
- (viii) Any information demonstrating compliance with and approval of the small community exemption; and
- (ix) Any waste quantity records required under this subchapter.

ARM 16.14.707(4) A copy of all plans, reports, studies and other ground water monitoring methods or activities must be supplied to the department and placed in the operating record.

40 CFR 61.154(e)(1) For all asbestos-containing waste material received, the owner/operator of the MSWLF shall maintain waste shipment records.

40 CFR 61.154(e)(4) For all asbestos-containing waste material received, the owner/operator of the MSWLF shall retain a copy of all records and reports required by this paragraph for at least two years.

40 CFR 61.154(f) Maintain, until closure, records of the location, depth and area, and quantity in cubic meters (cubic yards) of asbestos-containing waste material within the disposal site on a map or diagram of the disposal area.

40 CFR 61.154(i) Furnish upon request and make available during normal business hours for inspection by the Administrator, all records required under this section.

ARM 16.14.405(1) Except as provided in 75-10-214, MCA, no person may dispose of solid waste or operate or maintain a solid waste management system after July 1, 1991 without an operating license from the department. The license period shall be for a base year from July 1 of one year through Jun 30 of the subsequent year.

ARM 16.14.405(1)(b) The department shall mail invoices for license renewal fees to license holders by June 15 of each year. License renewal fees will be calculated in accordance with Table 1, "Annual License Fee Schedule". Any solid waste management facility that does not fit into one of the categories listed in Table 1 shall be assessed fees no greater than major Class II landfill facilities. Payment of renewal fees may be submitted to the department quarterly, with the first payment due on or before July 31 of each base year. Failure to submit payments when due shall subject the license holder to the provisions of Section 75-10-116, MCA.

K. Additional Questions

ARM 16.14.406(3) In addition to the volume based fee specified in (1) of this rule, any person licensed to dispose of or incinerate solid waste shall submit to the department a quarterly fee of \$0.27 per ton of solid waste generated outside Montana and disposed of or incinerated within Montana. All facilities that accept wastes from outside Montana for the purpose of incineration or disposal must weigh the wastes accepted at the facility to accurately determine the volume accepted.

ARM 16.14.406(4) Each facility receiving waste generated outside Montana must record the weights of all out-of-state waste received and such records must be placed in the operating record and must be reported to the Department in the annual report specified in ARM 16.14.407.

~~Areas of Concern~~		
Yes	No	N/A

- | Yes | No | N/A |
|-------------------------------------|-------------------------------------|--------------------------|
| ☒ | ☐ | ☐ |
| ☐ | ☒ | ☐ |
| ☒ | ☐ | ☐ |
| ☒ | ☐ | ☐ |
| ☒ | ☐ | ☐ |
| ☒ | ☒ | ☐ |
| ☒ | ☐ | ☐ |

✓

✓

J. Examination of Operation Records (see ARM 16.14.521(1)(p))

- | Yes | No | N/A |
|-------------------------------------|--------------------------|--------------------------|
| ☒ | ☐ | ☐ |
| ☒ | ☐ | ☐ |

✓ not done
yet

Not yet back from
Labs

[illegible]

_____ ✓

1/94

c) What contaminate(s) is the leachate tested for? _____

8. Any location restriction documents? (ARM 16.14.521(1) (p) (i))

a) What are they? _____

— ☒ —

9. Any MSWLF unit design documentation for the construction or placement of leachate or gas condensate? (ARM 16.14.521(1) (p) (iv))

☒ — —

10. Closure and Post-closure care information on-site? (ARM 16.14.521(1) (p) (vi))

☒ — —

11. Cost estimates or financial assurance documents

on-site? (ARM 16.14.521(1) (p) (vii))

Not yet ☒ — —

12. Any information demonstrating compliance with small community exemption? (ARM 16.14.521(1) (p) (viii))

☒ — ☒

13. License issued? (ARM 16.14.405(1))

☒ — ☒

14. Fees paid? (ARM 16.14.405(1) (b))

☒ — ☒

NOTES: City needs to organize records farus better.

K. Additional Questions

Yes No N/A

1. Does the MSWLF accept out-of-state wastes?

— ☒ —

a) If so, how much? _____

2. Are the weight records up to date? (ARM 16.14.406(4))

— ☒ —

3. Has last quarter report and fee payment been submitted to the state? (ARM 16.14.406(3))

— ☒ —

4. Out-of-state waste received from: _____

— — ☒

ADDITIONAL NOTES AND/OR COMMENTS:

* License does say engineer has to make annual inspections. City may ask for this condition to be changed, with good arguments as to why it should be changed.

Not yet

City needs to organize friends from better

11

Y-leaves have very experienced to make annual inspection City may
ask for this exhibition for the strength, with good arguments as to why it
should be changed.



10 13 '94



10 20 '94

10/20/94 Big Timber Class II
Landfill

Sweet Grass County



10 20 '94



10 13 '94

10/20/94

Sweet Grass County

Big Timber Class II Landfill

Groundwater monitoring well

Taken by LMD

10/20/94

Sweet Grass County

Big Timber Class II Landfill

Active disposal trench

Taken by LMD

10/30/94

Big Timber Class II Landfill

Sweet Grass County
Big Timber Class II Landfill
Active disposal trench

Taken by LMD

10/20/94

Sweet Grass County

Big Timber Class II Landfill

Active disposal trench, looking south

(note: water at south end of trench)

Taken by LMD

10/30/94

LMD

SENDER:

- Complete items 1 and/or 2 for additional services.
- Complete items 3, and 4a & b.
- Print your name and address on the reverse of this form so that we can return this card to you.
- Attach this form to the front of the mailpiece, or on the back if space does not permit.
- Write "Return Receipt Requested" on the mailpiece below the article number.
- The Return Receipt will show to whom the article was delivered and the date delivered.

I also wish to receive the following services (for an extra fee):

1. ☐ Addressee's Address

2. ☐ Restricted Delivery

Consult postmaster for fee.

3. Article Addressed to:

City of Big Timber
P.O. Box 416
Big Timber, MT 59011

4a. Article Number

1989 801 638

4b. Service Type

☐ Registered

☐ Insured

☒ Certified

☐ COD

☐ Express Mail

☐ Return Receipt for Merchandise

7. Date of Delivery

5-2-94

5. Signature (Addressee)

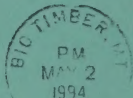
8. Addressee's Address (Only if requested and fee is paid)

6. Signature (Agent)

James J. Pearson

UNITED STATES POSTAL SERVICE

Official Business



PENALTY FOR PRIVATE
USE TO AVOID PAYMENT
OF POSTAGE, \$300

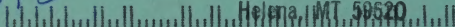


Print your name, address and ZIP Code here

MONTANA DEPARTMENT OF HEALTH
AND ENVIRONMENTAL SCIENCES
Solid & Hazardous Waste Bureau
836 Front Street

Helena, MT 59620

Attn: LD



P 989 801 638



Receipt for Certified Mail

No Insurance Coverage Provided
Do not use for International Mail
(See Reverse)

Sent to

City of Big Timber

Street and No.

P.O., State and ZIP Code

Postage

\$

Certified Fee

Special Delivery Fee

Restricted Delivery Fee

Return Receipt Showing
to Whom & Date DeliveredReturn Receipt Showing to Whom,
Date, and Addressee's AddressTOTAL Postage
& Fees

\$

Postmark or Date

4-29-94 eh

**STICK POSTAGE STAMPS TO ARTICLE TO COVER FIRST CLASS POSTAGE,
CERTIFIED MAIL FEE, AND CHARGES FOR ANY SELECTED OPTIONAL SERVICES (see front).**

1. If you want this receipt postmarked, stick the gummed stub to the right of the return address leaving the receipt attached and present the article at a post office service window or hand it to your rural carrier (no extra charge).
2. If you do not want this receipt postmarked, stick the gummed stub to the right of the return address of the article, date, detach and retain the receipt, and mail the article.
3. If you want a return receipt, write the certified mail number and your name and address on a return receipt card, Form 3811, and attach it to the front of the article by means of the gummed ends if space permits. Otherwise, affix to back of article. Endorse front of article **RETURN RECEIPT REQUESTED** adjacent to the number.
4. If you want delivery restricted to the addressee, or to an authorized agent of the addressee, endorse **RESTRICTED DELIVERY** on the front of the article.
5. Enter fees for the services requested in the appropriate spaces on the front of this receipt. If return receipt is requested, check the applicable blocks in item 1 of Form 3811.
6. Save this receipt and present it if you make inquiry.

105603-92-B-0054

ROUTE SLIP

DEPARTMENT OF HEALTH & ENVIRONMENTAL SCIENCES

TO: Proof ^{JK}

DATE: 4/25/94

1. Pat ^{EP}

2. Jon ^{JD}

3. Roger ^{pc}

☒ Approval

☒ Comment

☐ Necessary Action

☒ Note and Return

☐ Note and File

☐ Investigate

☐ Prepare reply

☐ Signature

☐ See Me

☐ As requested

☐ For your information

☐ Per Conversation

REMARKS:

Please file under:

Sweet Grass Co. / Big Timber
Class II Landfill

Thanks mate!

FROM: Lana D.

mailed
4-29-94
en

Please file under:

Sweet Green Co. / Big Green

Class II (anvil)

Thanks much!

11/4/77
11/4/77
11/4/77

Don B.

DEPARTMENT
HEALTH AND ENVIRONMENT

Solid and Hazardous
Solid Waste

MARC RACICOT, GOVERNOR 406/444-2200



STATE OF MONTANA

OFFICE
LOCATION

836 Front Street
Helena, Montana

April 28, 1994

City of Big Timber
P.O. Box 416
Big Timber, Montana 59011

SUBJECT: Big Timber Class II Landfill, Li

Dear Mayor Devenny and Council Members:

On April 21, 1994, I met with Kevin Hutchins
Class II Landfill facility for compliance with the
disposal in Montana. Enclosed you will find a

Question 1: Will this landfill need a clay liner in a new trench? Based on the information submitted to this office at the time of licensure, the answer is YES, a composite liner or approved alternative would be required.

Question 2: Can the facility accept "do-it-yourselfers'" used oil collected at a automobile garage or service station? The oil would be burned in a shop burner. According to the Montana Hazardous Waste Program, a person may burn used oil generated by that person, received from households, or used oil which has been received from a registered "used oil marketer" and which has been demonstrated to be from householders or off-specification used oil. The local service station or garage can become the "used oil marketer" after registering with the Montana Hazardous Waste Program. Please contact Tom Halberg at 444-1430 if you have any questions.

Question 3: Does a landfill have to protect ALL state waters, even if the water is not drinkable? YES, according to Section 75-6-605, Montana Code Annotated, it is unlawful to cause pollution of any state water (copy enclosed).

Question 4: Does the Montana Department of Health and Environmental Sciences prefer one methane probe over another? Any methane probe designed to detect methane in confined spaces will be acceptable to this office.

Question 5: What kind of qualifications are required to install methane monitoring wells? No certification is required for the installation of methane wells. Please see the enclosed information and your MOLO Course book for information as to the installation of these wells.

Question 6: Is there any way to train landfill crew members to take ground water samples? There was a course offered by the MSU Extension Service last year that discussed sampling techniques (and it is now available on video). However, the tests required are expensive, therefore it is best to have a qualified ground water scientist sample to insure validity.

Question 7: Is a manual headgate acceptable for the run-off detention pond? As long as the pond has been designed for the 24 hour/25 year storm event and no leachate or run-off that has contacted waste will go into the pond, then the manual headgate is acceptable. If you do accumulate enough water to discharge, a general Montana Pollutant Discharge Elimination Permit would be necessary.

Question 8: Do you have some sump waste information available? Enclosed you will find some information from Ed Thamke concerning this issue.

Question 9: Can the Hazardous Waste/PCB Waste Screening pad be inside the trench, but not on top of buried waste? **YES, it would be acceptable to place the pad in the trench where any leakage can be collected in your leachate collection area. The leachate can then be tested, pumped, and treated if necessary.**

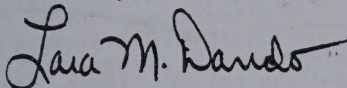
Question 10: Does MDHES have information on ground water monitoring wells numbers 5 and 6? **Please see the enclosed report concerning the installation of these two wells.**

Question 11: Is it necessary to have a qualified ground water scientist measure the water level in each well? **NO, as long as you have the appropriate equipment and decontamination procedures, someone on the landfill staff can do this. Pat Potts recommends an electronic water level indicator at least 100 feet long. Ms. Potts has enclosed a list of companies that sell the type of indicator needed.**

One final comment, you are required to measure the level of leachate via the witness pipe in Trench 1. Your Operation and Maintenance Plan should discuss how you will do this and how you will decontaminate the measuring device. If you are planning to alter the witness pipe, this design change must be approved by the Department in advance.

Thank you for your cooperation in this matter and please do not hesitate to contact this office if you have any questions or comments.

Sincerely,



Lara M. Dando

Solid and Hazardous Waste Specialist

cc: Kevin Hutchins, City of Big Timber, P.O. Box 416, Big Timber, MT 59011
Rod Fink, Courthouse, Box 111, Columbus, MT 59019

Enclosures: Official Inspection Report, On-Site Observation Report, Well 5 and 6 Info., Chester Plans, Sump Waste Info., Copy of Section 75-6-605, Electronic Water Level Indicator Info., HW Booklet

CB5405\WP\INSPECT.94\SWGRASS\BIGTIMBR.494

Date: 4/21/94

Time of Arrival: 8:30

Time of Departure: _____

Total Hours: _____

SOLID WASTE MANAGEMENT SITE/SYSTEM - ON-SITE OBSERVATION FORM

(This is not the Notice of Violation mentioned in Section 75-10-227, MCA)

Facility Name City of Big Timber License No. #308

Solid Waste Management Site/System Description Class II Landfill

Location 4.5 miles NE of Big Timber on Howie Road

Owner City of Big Timber Phone 932-5611

Address PO Box 416 City Big Timber, MT 59011

Operator Kevin Hutchins Phone 932-5611

Address P.O. Box 416 City Big Timber, MT 59011

Landfill Representative(s) Present Don Thomas Title DPW

Kevin Hutchins Title Operator

DHES Representative(s) Present Lara M. Dando Title SEAW Specialist

(Answer all questions; mark N/A if not applicable; please print)

A. General Operational and Maintenance Requirements

~~Areas of Concern~~
Yes No N/A

- | Question | Yes | No | Other |
|---|-------------------------------------|-------------------------------------|-------------------------------------|
| 1. Operational Records located where? <u>City Hall</u> | ☒ | ☐ | ☐ |
| 2. Dumping confined to a manageable area? (ARM 16.14.520(4)) | ☒ | ☐ | ☐ |
| 3. Refuse properly covered after each operating day? (ARM 16.14.521(1) (a)) | ☐ | ☒ | ☐ |
| a) Alternative Daily Cover in use? (ARM 16.14.521(1) (a)) | ☐ | ☒ | ☐ |
| b) If so, what kind? | ☐ | ☐ | ☐ |
| 4. If a Class III landfill, covered at least quarterly? (ARM 16.14.521(2)) | ☒ | ☐ | ☒ |
| 5. Daily Spreading and compaction of refuse adequate? (ARM 16.14.521(1) (a)) | ☒ | ☐ | ☐ |
| 6. Depth, spreading, and grading of intermediate cover adequate? (ARM 16.14.521(1) (a)) | ☐ | ☒ | ☐ |
| 7. Final cover on filled areas? (ARM 16.14.530(1) (a)) | ☐ | ☐ | ☒ |
| 8. Rodents and insects controlled? (ARM 16.14.520(7)) | ☒ | ☐ | ☐ |
| 9. Blowing litter controlled? (ARM 16.14.520(6)) | ☒ | ☐ | ☒ |
| 10. Access to site controlled? (ARM 16.14.520(4) and (5)) | ☒ | ☐ | ☒ |
| Sign(s) | ☒ | ☐ | ☐ |
| Gate(s) | ☒ | ☐ | ☐ |
| Fences (s) (ARM 16.14.521(1) (c)) | ☒ | ☐ | ☐ |
| Supervision | ☒ | ☐ | ☐ |
| 11. Approach road properly maintained? (ARM 16.14.505(1) (b)) | ☒ | ☐ | ☐ |
| 12. Solid Waste Management facility equipment visible on-site? | ☒ | ☐ | ☐ |
| a) If so, what kind(s) <u>CAT 963</u> | ☒ | ☐ | ☐ |
| 13. Where refuse containers are utilized, are they maintained and kept in a sanitary manner? (ARM 16.14.521(1) (d)) | ☐ | ☒ | ☐ |
| a) Are they emptied at least once a week? (ARM 16.14.521(1) (d)) | ☐ | ☒ | ☒ |
| 14. Salvaging going on? (ARM 16.14.520(8)) | ☐ | ☒ | ☐ |
| a) Approved salvaging plan on-file with DHES? | ☐ | ☒ | ☒ |
| 15. What method is used to measure waste volumes? (ARM 16.14.521(1) (o)) | ☐ | ☐ | ☒ |

Visual volume check

a) How often is volume measured? *every time*

BRIEF SUMMARY OF THE RULES AND REGULATIONS GOVERNING SOLID WASTE DISPOSAL IN MONTANA

ARM = Administrative Rules of Montana
Department = Montana Department of Health and Environmental Sciences
MSWLF = Municipal solid waste landfill
NESHAP = National Emission Standards for Hazardous Air Pollutants

CFR = Code of Federal Register
MCA = Montana Code Annotated
MSWMA = Montana Solid Waste Management Act

A. General Operational and Maintenance Requirements

ARM 16.14.505(1)(b) Where public use or year round access is contemplated, access roads and bridges must be capable of supporting loaded vehicles during all types of weather.

ARM 16.14.520(4) Dumping of solid waste must be confined to areas within the disposal facility that can be effectively maintained and operated in accordance with this rule. This must be controlled by supervision, fencing, signs or similar means approved by the department.

ARM 16.14.520(5) Owners or operators of all solid waste management systems must control public access and prevent unauthorized vehicular traffic and illegal dumping of wastes by using artificial barriers, natural barriers, or both, as appropriate to protect human health and the environment.

ARM 16.14.520(6) Effective means shall be taken to control litter at solid waste storage and disposal facilities.

ARM 16.14.520(7) Owners or operators of all solid waste management systems must prevent or control on-site populations of disease vectors using techniques appropriate for the protection of human health and the environment.

ARM 16.14.520(8) Salvaging of materials at all facilities is expressly prohibited unless the owner or operator demonstrates to the department's satisfaction that it can be done in a manner protective of human health and the environment.

ARM 16.14.521(1)(a) All Class II facilities using landfilling methods shall compact and cover solid waste with a layer of at least six (6) inches of approved earth cover material at the end of each operating day or at more frequent intervals if necessary to control disease vectors, fires, odors, blowing litter, and scavenging. Alternative daily cover materials such as geotextile fabrics, foams, compost, or other materials may be used in place of the six inches of approved earthen cover material only when approved by the department. The use of alternative daily cover materials must be done under a plan of operations approved in advance by the department. The plan of operations for the use of alternative daily cover materials must include provisions for the application of six inches of approved earthen cover material at least once per week. The owner or operator must demonstrate to the department that the alternative material and thickness control disease vectors, fires, odors, blowing litter, and scavenging without presenting a threat to human health and the environment. Any portion of a Class II landfill unit that will not receive additional waste within 90 days must have an intermediate cover of at least one foot of approved earthen materials. These steps must be taken unless the department is satisfied that the licensee has shown good cause for not covering.

ARM 16.14.521(1)(c) Landfills must be fenced to prevent unauthorized access and must be supervised when open.

ARM 16.14.521(1)(d) Where transfer stations are utilized as part of a management system for Group II solid wastes, all containers must be maintained and kept in a sanitary manner and emptied at least once a week.

ARM 16.14.521(1)(o) Class II landfill facilities must weigh or otherwise accurately record all volumes of waste entering the facility.

ARM 16.14.521(2) Although Class III landfills are not required to cover wastes in disposal areas by earth materials daily, the wastes must be covered at least quarterly with six inches of a department approved earthen cover material.

ARM 16.14.530(1)(a) Owners or operators of all Class II landfill units must install a final cover system that is designed to minimize infiltration and erosion. . . .

Section 75-10-221(1), MCA (MSWMA) . . . no person may dispose of solid waste or operate a solid waste management system without a license from the department.

Section 75-10-227(1), MCA (MSWMA) When the department believes that a violation of part 1 or this part, a violation of a rule adopted under part 1 or this part, or a violation of a permit provision has occurred, it may serve written notice of the violation on the alleged violator or his agent. The notice must specify the provision of law, rule, or permit alleged to be violated and the facts alleged to constitute a violation and may include an order to take necessary corrective action within a reasonable period of time stated in the order. . . . (For the complete law, please refer to the Montana Solid Waste Management Act.)

B. Ground Water Monitoring Requirements

ARM 16.14.701(2) Compliance with the requirements of this subchapter must be implemented according to the following schedule:

- (a) All new Class II units must be in compliance with this subchapter and initial sampling must be completed before waste can be placed in the unit;
- (b) Existing Class II units and lateral expansions that serve a geographic area with a population of 5,000 or more persons must be in compliance with all requirements of this subchapter and have commenced ground water monitoring by October 9, 1993; and
- (c) Existing Class II disposal units and lateral expansions that serve a geographic area with a population of 4,999 persons or less, . . . must comply with this subchapter according to the following schedule:
 - (i) Existing Class II disposal units and lateral expansions less than one mile from a drinking water intake (surface or subsurface) must be in compliance and have commenced ground water monitoring by October 9, 1994;
 - (ii) Existing Class II disposal units and lateral expansions greater than one mile but less than two miles from a drinking water intake (surface or subsurface) must be in compliance and have commenced ground water monitoring by October 9, 1995;
 - (iii) Existing Class II disposal units and lateral expansions greater than two miles from a drinking water intake (surface or subsurface) must be in compliance and have commenced ground water monitoring by October 9, 1996.

ARM 16.14.704(1) The background groundwater quality monitoring well(s) must be located so as to monitor the quality of groundwater representative of the groundwater passing the relevant point of compliance that has not been affected by leakage from the unit. At least one background water quality monitoring well is required at all

NOTES: Some litter by trench, none off site or very far from trench

B. Ground Water Monitoring Requirements

1. Does the facility have an approved monitoring program? (ARM 16.14.701(2))
2. How many wells are in the sampling program? (ARM 16.14.704(1)) approx. 6-7
3. Are the wells sealed at ground level? (ARM 16.14.705(7)(c))
4. Are the wells locked? (ARM 16.14.705(8))
5. Does the site have a No Migration Petition? (ARM 16.14.714(1))

~~Not to be used for No Migration~~
Yes No N/A
☒ ☒ ☐
☒ ☐ ☐
☒ ☒ ☐
☐ ☒ ☐

NOTES: Wells look OK

C. Leachate Collection Requirements

1. Does the municipal solid waste landfill (MSWLF) have a leachate collection program? (ARM 16.14.506(1)(b))
a) What happens to the leachate? Collected at SE corner of trench
Evaporates
b) How often is it sampled? It must be checked every month - maybe

Yes No N/A
☒ ☐ ☐

NOTES:

D. Burn Pile Management Requirements

1. Does site burn untreated wood waste and is it controlled? (ARM 16.14.520(2))
2. Has an Air Quality Bureau permit been issued? (ARM 16.8.1307(1)(b))
a) Will burn be completed within 24 hours? (ARM 16.8.1307(2)(b))
3. Has burn pile been contaminated? (ARM 16.8.1307(1)(b))
a) If so, with what? Looked good, some hay

Yes No N/A
☒ ☐ ☐
applying for one now
☐ ☒ ☐
☐ ☒ ☐

NOTES:

E. Regulated Hazardous Waste Detection and Disposal Prevention

1. Does the municipal solid waste landfill (MSWLF) have an approved regulated hazardous waste and polychlorinated biphenyl (PCB) waste screening program at the facility? (ARM 16.14.521(1)(e))
2. Does the MSWLF perform random inspections? (ARM 16.14.521(1)(e)(i))
a) How often? Ø
3. What material is screened? Ø

Yes No N/A
☐ ☒ ☐
☐ ☒ ☐
☐ ☒ ☐

NOTES: Working on plan

BRIEF SUMMARY OF THE RULES AND REGULATIONS GOVERNING SOLID WASTE DISPOSAL IN MONTANA -- CONTINUED

facilities. At least two background wells must be installed at facilities where statistics will be utilized for groundwater quality data evaluation unless it can be demonstrated to the department's satisfaction that a single well will suffice for the statistical test method chosen for ARM 16.14.706.

ARM 16.14.705(7)(c) All monitoring wells must be constructed:

- (c) With grout or other seal material extended down to within five feet of the zone being monitored.

ARM 16.14.705(8) All groundwater monitoring wells shall have caps to prevent contaminants from entering the monitoring device. All monitoring wells shall have protective outer casings and locking lids. The lids shall be kept locked. The department may require additional protective devices such as rings or brightly colored posts around any monitoring device.

ARM 16.14.714(1) Groundwater monitoring at a facility may be waived by the department if the facility owner or operator can demonstrate there is no potential for hazardous constituents to contaminate the uppermost aquifer.

C. Leachate Collection Requirements

ARM 16.14.506(1)(b) New Class II landfill units and lateral expansions must be constructed:

- (b) With a composite liner and a leachate collection system. . . .

D. Burn Pile Management Requirements

ARM 16.14.520(2) Open burning at all facilities is prohibited unless a permit has been obtained from the department.

ARM 16.8.1307(1)(b) The department may issue a conditional air quality open burning permit for the disposal of:

- (b) Untreated wood waste at licensed landfill sites

ARM 16.8.1307(2)(b) An air quality open burning permit issued under this rule is valid for

- (b) untreated wood waste at licensed landfill sites -- single burn. A new permit must be obtained for each burn.

E. Regulated Hazardous Waste Detection and Disposal Prevention

ARM 16.14.521(1)(e) Owners or operators of all Class II landfill units must implement a program at the facility for detecting and preventing the disposal of regulated hazardous wastes or polychlorinated biphenyls (PCB) wastes. This program must include, at a minimum:

- (i) Random inspections of incoming loads unless the owner or operator takes other steps to ensure that incoming loads do not contain regulated hazardous wastes or PCB wastes;
- (ii) Records of any inspections;
- (iii) Training of facility personnel to recognize regulated hazardous waste and PCB wastes

F. Landfill Gas Monitoring

ARM 16.14.521(1)(g) Owners or operators of all Class II landfill units must implement a department approved routine methane monitoring program that ensures that the standards of (f) of this subsection are met and that meets the following requirements:

- (i) The type and frequency of monitoring must be determined based on the following factors:
 - (A) Soil conditions;
 - (B) The hydrogeologic conditions surrounding the facility;
 - (C) The hydraulic conditions surrounding the facility; and
 - (D) The location of facility structures and property boundaries.

G. Run-on/Run-off Control Requirements

ARM 16.14.521(1)(j) Owners or operators of all Class II disposal units must design, construct, and maintain:

- (i) A run-on control system to prevent flow onto the active portion of the landfill during the peak discharge from a 25-year storm;
- (ii) A run-off control system from the active portion of the landfill to collect and control at least the water volume resulting from a 24-hour, 25-year storm.

ARM 16.20.1301 et. seq. The purpose of this subchapter . . . is to establish and implement one common system for issuing permits for point sources discharging pollutants into state waters, and is intended to allow the board and department to administer a pollutant discharge permit system which is compatible with the National Pollutant Discharge Elimination System as established by the U.S. Environmental Protection Agency. . . .

H. Special Waste Handling

Clean Air Act of 1990 Effective July 1, 1992, it shall be unlawful for any person, in the course of maintaining, servicing, repairing, or disposing of any appliance or industrial process refrigeration, to knowingly vent or otherwise knowingly release or dispose of any Class I or Class II substance used as a refrigerant in such appliance (or industrial process refrigeration) in a manner which permits such substance to enter the environment.

F. Landfill Gas Monitoring

~~MSWLF~~
Yes No N/A

1. Does the MSWLF have an approved methane gas monitoring program? (ARM 16.14.521(1)(g)) 0 Yes ✓ No — N/A —
2. How many permanent methane monitoring stations does the facility have? 0
3. How many temporary bore holes used? 0
4. Are all facility buildings tested for methane? — Yes — No — N/A ✓
 - a) Which ones? 0
 - b) What instrument is used? 0
5. How often are they sampled? (ARM 16.14.521(1)(g)(i)) 0
6. Readings reported in percent lower explosion limit (% LEL) for methane, percent volume of explosive gas in air, or in parts per million (ppm) of combustible gases? 0
7. Department checks conducted on wells? — Yes — No — N/A ✓
 - a) Results? —

NOTES: Working on plan

G. Run-on/Run-off Control Requirements

Yes No N/A

1. Does the MSWLF have a run-on control system? (ARM 16.14.521(1)(j)(i)) ✓ Yes — No — N/A —
2. Does the MSWLF have a run-off control system? (ARM 16.14.521(1)(j)(ii)) ✓ Yes — No — N/A —
3. Does the site have a Montana Pollutant Discharge Elimination System (MPDES) permit? (ARM 16.20.1301 et. seq.) — Yes — No ✓ N/A —
 - b) What is its permit number? —

NOTES: Looked good. No water in pond or ditcher

H. Special Waste Handling

Yes No N/A

1. **White goods** stored on-site?
 - a) If so, has CFC removal been documented? (Clean Air Act of November 1990) ✓ Yes ✓ No — N/A —
 - b) Have refrigerator doors been sealed or disabled? (§ 45-8-113(a), MCA) — Yes — No ✓ N/A —
 - c) Are White Goods recycled? — Yes — No — N/A —
 - d) By whom? —
 - e) How often are they removed from site? —
2. **Dead animals** accepted? ✓ Yes — No — N/A —
 - a) If so, does the facility have a special disposal area? — Yes — No — N/A —
 - b) Where is it located? —
3. Is **asbestos** disposed on-site? — Yes — No — N/A —
 - a) If so, is there a special disposal area for it? — Yes — No — N/A —
 - b) A map available? — Yes — No — N/A —
 - c) Covered with at least six inches of soil? — Yes — No — N/A —
 - d) If closed, has the disposal site operator informed EPA as to the location and amount of waste deposited? (40 CFR § 61.154(g)) — Yes — No — N/A —
 - e) If closed, has a notification concerning the presence of asbestos waste been placed on the deed to the property? — Yes — No — N/A —
4. Does the site **landfarm** contaminated soils? ✓ Yes — No — N/A —
 - a) If so, is it part of the approved operations? ✓ Yes — No — N/A —
 - b) Where is it located? In licensed area to the SE corner

NOTES: City residents + cats/dogs allowed to be buried.

BRIEF SUMMARY OF THE RULES AND REGULATIONS GOVERNING SOLID WASTE DISPOSAL IN MONTANA -- CONTINUED

Section 45-8-113(1)(a), MCA (MSWMA) A person commits the offense of creating a hazard if he knowingly:

- (a) discards in any place where it might attract children a container having a compartment of more than 1½ cubic feet capacity and a door or lid that locks or fastens automatically when closed and cannot easily be opened from the inside and fails to remove the door, lid, or locking or fastening device;

40 CFR § 61.154(g) (NESHAP) Upon closure, comply with all the provisions of 40 CFR § 61.151.

J. Examination of Operation Records

ARM 16.14.521(1)(e) Owners or operators of all Class II landfill units must implement a program at the facility for detecting and preventing the disposal of regulated hazardous wastes or polychlorinated biphenyls (PCB) wastes. This program must include, at a minimum:

- (ii) Records of any inspections;
- (iii) Training of facility personnel to recognize regulated hazardous waste and PCB wastes

ARM 16.14.521(1)(p) The owner or operator of a Class II disposal unit must record and retain at the facility or at an alternative location approved by the department, an operating record containing the following information as it becomes available:

- (i) Any location restriction demonstration required under this subchapter;
- (ii) Inspection records, training procedures, and notification procedures required under this subchapter;
- (iii) Gas monitoring results from monitoring and any remediation plans required by this subchapter;
- (iv) Any design documentation for construction or the placement of leachate or gas condensate in a landfill unit as required under this subchapter;
- (v) Any demonstration, certification, finding, monitoring, testing, or analytical data required by department ground water monitoring regulations found in ARM 16.14.701 *et. seq.*;
- (vi) Closure and post-closure care plans and any monitoring, testing, or analytical data of required by this subchapter;
- (vii) Any cost estimates and financial assurance documentation required by this subchapter;
- (viii) Any information demonstrating compliance with and approval of the small community exemption; and
- (ix) Any waste quantity records required under this subchapter.

ARM 16.14.707(4) A copy of all plans, reports, studies and other ground water monitoring methods or activities must be supplied to the department and placed in the operating record.

40 CFR 61.154(e)(1) For all asbestos-containing waste material received, the owner/operator of the MSWLF shall maintain waste shipment records.

40 CFR 61.154(e)(4) For all asbestos-containing waste material received, the owner/operator of the MSWLF shall retain a copy of all records and reports required by this paragraph for at least two years.

40 CFR 61.154(f) Maintain, until closure, records of the location, depth and area, and quantity in cubic meters (cubic yards) of asbestos-containing waste material within the disposal site on a map or diagram of the disposal area.

40 CFR 61.154(i) Furnish upon request and make available during normal business hours for inspection by the Administrator, all records required under this section.

ARM 16.14.405(1) Except as provided in 75-10-214, MCA, no person may dispose of solid waste or operate or maintain a solid waste management system after July 1, 1991 without an operating license from the department. The license period shall be for a base year from July 1 of one year through Jun 30 of the subsequent year.

ARM 16.14.405(1)(b) The department shall mail invoices for license renewal fees to license holders by June 15 of each year. License renewal fees will be calculated in accordance with Table 1, "Annual License Fee Schedule". Any solid waste management facility that does not fit into one of the categories listed in Table 1 shall be assessed fees no greater than major Class II landfill facilities. Payment of renewal fees may be submitted to the department quarterly, with the first payment due on or before July 31 of each base year. Failure to submit payments when due shall subject the license holder to the provisions of Section 75-10-116, MCA.

K. Additional Questions

ARM 16.14.406(3) In addition to the volume based fee specified in (1) of this rule, any person licensed to dispose of or incinerate solid waste shall submit to the department a quarterly fee of \$0.27 per ton of solid waste generated outside Montana and disposed of or incinerated within Montana. All facilities that accept wastes from outside Montana for the purpose of incineration or disposal must weigh the wastes accepted at the facility to accurately determine the volume accepted.

ARM 16.14.406(4) Each facility receiving waste generated outside Montana must record the weights of all out-of-state waste received and such records must be placed in the operating record and must be reported to the Department in the annual report specified in ARM 16.14.407.

I. Waste Reduction

1. Does the facility **recycle**?

a) What is recycled?

Used Oil

Aluminum Cans

Steel Cans/Scrap Metal

Glass

Paper

Batteries (Wet/Dry Cell)

Newspaper

Other

Sometimes cardboard

b) What is the frequency of removal? Once a month

c) Where are the recyclables taken? Billings

2. Does the facility **compost**?

a) What composting method is used? Windrows

b) What is composted? grass, garden clippings, leaves

c) What is the compost used for? Fertilizer

d) Is it contaminated?

3. Does the facility have a household hazardous waste collection area?

a) If so, what is collected?

b) How often is the material removed and who removes it?

c) What is the final disposition of the collected material?

NOTES: Not on site - recycling. Car batteries taken to stores & traded in.

J. Examination of Operation Records (see ARM 16.14.521(1)(p))

1. Does the MSWLF have **weight/volume** records on-site?

2. Are **ground water monitoring** records on-site? (ARM 16.14.707(4))

a) If not, where are they?

b) When were the wells last sampled? 1991

c) What was it sampled for?

3. Does the MSWLF have records of **HW screenings**? (ARM 16.14.521(1)(e)(ii))

a) Where are they located?

b) Any records of personnel training? (ARM 16.14.521(1)(e)(iii))

4. Does the facility have on-site records of **landfill gas monitoring**?

5. Are **asbestos** waste shipment records maintained? (40 CFR § 61.154(e)(1))

a) Are copies of all required records and reports

retained for 2 years? (40 CFR § 61.154(e)(4))

b) Are records available for inspection? (40 CFR § 61.154(i))

c) Is a map or diagram of the asbestos disposal area being

maintained? (40 CFR § 61.154(f))

6. In regard to **landfills**, are waste shipment records maintained?

a) Is the material typically analyzed?

b) What is the soil tested for? Before brought it in

b) What volume of soils are accepted annually? 100 yds³

7. Are **leachate** analysis records stored on-site?

a) If not, where?

b) When was the last sampling event?

~~Not a Section~~
Yes No N/A

c) What contaminate(s) is the leachate tested for? _____

8. Any location restriction documents? (ARM 16.14.521(1) (p) (i))
a) What are they? _____

___ ☒ ___

9. Any MSWLF unit design documentation for the construction or placement of leachate or gas condensate? (ARM 16.14.521(1) (p) (iv))

☒ ___

10. Closure and Post-closure care information on-site? (ARM 16.14.521(1) (p) (vi))

___ ☒ ___

11. Cost estimates or financial assurance documents on-site? (ARM 16.14.521(1) (p) (vii))

☒ some ___

12. Any information demonstrating compliance with small community exemption? (ARM 16.14.521(1) (p) (viii))

___ ___ ☒

13. License issued? (ARM 16.14.405(1))

☒ ___

14. Fees paid? (ARM 16.14.405(1) (b))

☒ ___

NOTES: Op. Records will be put in new shed on site in the future. Now it is kept in the City Hall

K. Additional Questions

1. Does the MSWLF accept out-of-state wastes?
a) If so, how much? _____

Yes No N/A
___ ☒ ___

2. Are the weight records up to date? (ARM 16.14.406(4))

___ ___ ☒

3. Has last quarter report and fee payment been submitted to the state? (ARM 16.14.406(3))

___ ___ ☒

4. Out-of-state waste received from: _____

ADDITIONAL NOTES AND/OR COMMENTS:

- (1) HW screening in pit?
- (2) Burning on one day. OK to call day before in order to start early?
- (3) Burn by compost area suggested because by well.
- (4) Saw house to the west side.

GP. Riccids will be put in new shed on site in late afternoon. New shed is in the old hall.

- (1) HW screening in pit?
- (2) Burning on one day. OK to coal day before in order to start early.
- (3) Burned but not yet done. suggest burning by itself.
- (4) Saw house to the west side.

Date: 3/7/94

Time of Arrival: 3:15pm

Time of Departure: 3:45

Total Hours: 1

SOLID WASTE MANAGEMENT SITE/SYSTEM - ON-SITE OBSERVATION FORM
(This is not the Notice of Violation mentioned in Section 75-10-227, MCA)

Facility Name Big Timber Class II Landfill License No. 308

Solid Waste Management Site/System Description _____

Location North of City of Big Timber

Owner City of Big Timber Phone _____

Address _____ City _____, MT _____

Operator City of Big Timber Phone _____

Address _____ City Big Timber, MT _____

Landfill Representative(s) Present Ron Thomas Title DPW

Kevin Hutchins, Jay Graham Title operators

DHES Representative(s) Present James Wilbur Title Env. Spec. IV

_____ Title _____

(Answer all questions; mark N/A if not applicable; please print)

A. General Operational and Maintenance Requirements

Areas of Concern
Yes No N/A

1. Operational Records located where? City Hall
2. Dumping confined to a manageable area? (ARM 16.14.520(4)) ☒ Yes ☐ No ☐ N/A
3. Refuse properly covered after each operating day? (ARM 16.14.521(1)(a)) ☒ Yes ☐ No ☐ N/A
 - a) Alternative Daily Cover in use? (ARM 16.14.521(1)(a)) ☐ Yes ☒ No ☐ N/A
 - b) If so, what kind? _____
4. If a Class III landfill, covered at least quarterly? (ARM 16.14.521(2)) ☒ Yes ☐ No ☐ N/A
5. Daily Spreading and compaction of refuse adequate? (ARM 16.14.521(1)(a)) ☒ Yes ☐ No ☐ N/A
6. Depth, spreading, and grading of intermediate cover adequate? (ARM 16.14.521(1)(a)) ☒ Yes ☒ No ☐ N/A
7. Final cover on filled areas? (ARM 16.14.530(1)(a)) ☒ Yes ☐ No ☐ N/A
8. Rodents and insects controlled? (ARM 16.14.520(7)) ☒ Yes ☐ No ☐ N/A
9. Blowing litter controlled? (ARM 16.14.520(6)) ☒ Yes ☐ No ☐ N/A
10. Access to site controlled? (ARM 16.14.520(4) and (5)) ☒ Yes ☐ No ☐ N/A
 - Sign(s) ☒ Yes ☐ No ☐ N/A
 - Gate(s) ☒ Yes ☐ No ☐ N/A
 - Fences(s) (ARM 16.14.521(1)(c)) ☒ Yes ☐ No ☐ N/A
 - Supervision ☒ Yes ☐ No ☐ N/A
11. Approach road properly maintained? (ARM 16.14.505(1)(b)) ☒ Yes ☐ No ☐ N/A
12. Solid Waste Management facility equipment visible on-site?
 - a) If so, what kind(s) Cat 953 (replacement-repair)
13. Where refuse containers are utilized, are they maintained and kept in a sanitary manner? (ARM 16.14.521(1)(d)) ☐ Yes ☐ No ☒ N/A
 - a) Are they emptied at least once a week? (ARM 16.14.521(1)(d)) ☐ Yes ☐ No ☒ N/A
14. Salvaging going on? (ARM 16.14.520(8)) ☐ Yes ☐ No ☒ N/A
 - a) Approved salvaging plan on-file with DHES? ☐ Yes ☐ No ☒ N/A
15. What method is used to measure waste volumes? (ARM 16.14.521(1)(o)) _____

estimate load volumes - City truck

Areas weighted.

a) How often is volume measured? _____

BRIEF SUMMARY OF THE RULES AND REGULATIONS GOVERNING SOLID WASTE DISPOSAL IN MONTANA

ARM = Administrative Rules of Montana

Department = Montana Department of Health and Environmental Sciences

MSWLF = Municipal solid waste landfill

NESHAP = National Emission Standards for Hazardous Air Pollutants

CFR = Code of Federal Register

MCA = Montana Code Annotated

MSWMA = Montana Solid Waste Management Act

A. General Operational and Maintenance Requirements

ARM 16.14.505(1)(b) Where public use or year round access is contemplated, access roads and bridges must be capable of supporting loaded vehicles during all types of weather.

ARM 16.14.520(4) Dumping of solid waste must be confined to areas within the disposal facility that can be effectively maintained and operated in accordance with this rule. This must be controlled by supervision, fencing, signs or similar means approved by the department.

ARM 16.14.520(5) Owners or operators of all solid waste management systems must control public access and prevent unauthorized vehicular traffic and illegal dumping of wastes by using artificial barriers, natural barriers, or both, as appropriate to protect human health and the environment.

ARM 16.14.520(6) Effective means shall be taken to control litter at solid waste storage and disposal facilities.

ARM 16.14.520(7) Owners or operators of all solid waste management systems must prevent or control on-site populations of disease vectors using techniques appropriate for the protection of human health and the environment.

ARM 16.14.520(8) Salvaging of materials at all facilities is expressly prohibited unless the owner or operator demonstrates to the department's satisfaction that it can be done in a manner protective of human health and the environment.

ARM 16.14.521(1)(a) All Class II facilities using landfilling methods shall compact and cover solid waste with a layer of at least six (6) inches of approved earth cover material at the end of each operating day or at more frequent intervals if necessary to control disease vectors, fires, odors, blowing litter, and scavenging. Alternative daily cover materials such as geotextile fabrics, foams, compost, or other materials may be used in place of the six inches of approved earthen cover material only when approved by the department. The use of alternative daily cover materials must be done under a plan of operations approved of in advance by the department. The plan of operations for the use of alternative daily cover materials must include provisions for the application of six inches of approved earthen cover material at least once per week. The owner or operator must demonstrate to the department that the alternative material and thickness control disease vectors, fires, odors, blowing litter, and scavenging without presenting a threat to human health and the environment. Any portion of a Class II landfill unit that will not receive additional waste within 90 days must have an intermediate cover of at least one foot of approved earthen materials. These steps must be taken unless the department is satisfied that the licensee has shown good cause for not covering.

ARM 16.14.521(1)(c) Landfills must be fenced to prevent unauthorized access and must be supervised when open.

ARM 16.14.521(1)(d) Where transfer stations are utilized as part of a management system for Group II solid wastes, all containers must be maintained and kept in a sanitary manner and emptied at least once a week.

ARM 16.14.521(1)(o) Class II landfill facilities must weigh or otherwise accurately record all volumes of waste entering the facility.

ARM 16.14.521(2) Although Class III landfills are not required to cover wastes in disposal areas by earth materials daily, the wastes must be covered at least quarterly with six inches of a department approved earthen cover material.

ARM 16.14.530(1)(a) Owners or operators of all Class II landfill units must install a final cover system that is designed to minimize infiltration and erosion. . . .

Section 75-10-221(1), MCA (MSWMA) . . . no person may dispose of solid waste or operate a solid waste management system without a license from the department. . . .

Section 75-10-227(1), MCA (MSWMA) When the department believes that a violation of part 1 or this part, a violation of a rule adopted under part 1 or this part, or a violation of a permit provision has occurred, it may serve written notice of the violation on the alleged violator or his agent. The notice must specify the provision of law, rule, or permit alleged to be violated and the facts alleged to constitute a violation and may include an order to take necessary corrective action within a reasonable period of time stated in the order. . . . (For the complete law, please refer to the Montana Solid Waste Management Act.)

B. Ground Water Monitoring Requirements

ARM 16.14.701(2) Compliance with the requirements of this subchapter must be implemented according to the following schedule:

- (a) All new Class II units must be in compliance with this subchapter and initial sampling must be completed before waste can be placed in the unit;
- (b) Existing Class II units and lateral expansions that serve a geographic area with a population of 5,000 or more persons must be in compliance with all requirements of this subchapter and have commenced ground water monitoring by October 9, 1993; and
- (c) Existing Class II disposal units and lateral expansions that serve a geographic area with a population of 4,999 persons or less, . . . must comply with this subchapter according to the following schedule:
 - (i) Existing Class II disposal units and lateral expansions less than one mile from a drinking water intake (surface or subsurface) must be in compliance and have commenced ground water monitoring by October 9, 1994;
 - (ii) Existing Class II disposal units and lateral expansions greater than one mile but less than two miles from a drinking water intake (surface or subsurface) must be in compliance and have commenced ground water monitoring by October 9, 1995;
 - (iii) Existing Class II disposal units and lateral expansions greater than two miles from a drinking water intake (surface or subsurface) must be in compliance and have commenced ground water monitoring by October 9, 1996.

ARM 16.14.704(1) The background groundwater quality monitoring well(s) must be located so as to monitor the quality of groundwater representative of the groundwater passing the relevant point of compliance that has not been affected by leakage from the unit. At least one background water quality monitoring well is required at all

NOTES: _____

B. Ground Water Monitoring Requirements

Areas of Concern
Yes No N/A

1. Does the facility have an approved monitoring program? (ARM 16.14.701(2)) _____
2. How many wells are in the sampling program? (ARM 16.14.704(1)) 6 on site
3. Are the wells sealed at ground level? (ARM 16.14.705(7)(c)) ✓
4. Are the wells locked? (ARM 16.14.705(8)) ✓
5. Does the site have a No Migration Petition? (ARM 16.14.714(1)) _____

NOTES: _____

C. Leachate Collection Requirements

Yes No N/A

1. Does the municipal solid waste landfill (MSWLF) have a leachate collection program? (ARM 16.14.506(1)(b))
 - a) What happens to the leachate? none collected
 - b) How often is it sampled? never

NOTES: _____

D. Burn Pile Management Requirements

Yes No N/A

1. Does site burn untreated wood waste and is it controlled? (ARM 16.14.520(2)) ✓
2. Has an Air Quality Bureau permit been issued? (ARM 16.8.1307(1)(b))
 - a) Will burn be completed within 24 hours? (ARM 16.8.1307(2)(b)) _____
3. Has burn pile been contaminated? (ARM 16.8.1307(1)(b))
 - a) If so, with what? _____

NOTES: _____

E. Regulated Hazardous Waste Detection and Disposal Prevention

Yes No N/A

1. Does the municipal solid waste landfill (MSWLF) have an approved regulated hazardous waste and polychlorinated biphenyl (PCB) waste screening program at the facility? (ARM 16.14.521(1)(e)) ✓
2. Does the MSWLF perform random inspections? (ARM 16.14.521(1)(e)(i))
 - a) How often? ✓
3. What material is screened? _____

NOTES: _____

BRIEF SUMMARY OF THE RULES AND REGULATIONS GOVERNING SOLID WASTE DISPOSAL IN MONTANA -- CONTINUED

facilities. At least two background wells must be installed at facilities where statistics will be utilized for groundwater quality data evaluation unless it can be demonstrated to the department's satisfaction that a single well will suffice for the statistical test method chosen for ARM 16.14.706.

ARM 16.14.705(7)(c) All monitoring wells must be constructed:

- (c) With grout or other seal material extended down to within five feet of the zone being monitored.

ARM 16.14.705(8) All groundwater monitoring wells shall have caps to prevent contaminants from entering the monitoring device. All monitoring wells shall have protective outer casings and locking lids. The lids shall be kept locked. The department may require additional protective devices such as rings or brightly colored posts around any monitoring device.

ARM 16.14.714(1) Groundwater monitoring at a facility may be waived by the department if the facility owner or operator can demonstrate there is no potential for hazardous constituents to contaminate the uppermost aquifer.

C. Leachate Collection Requirements

ARM 16.14.506(1)(b) New Class II landfill units and lateral expansions must be constructed:

- (b) With a composite liner and a leachate collection system. . . .

D. Burn Pile Management Requirements

ARM 16.14.520(2) Open burning at all facilities is prohibited unless a permit has been obtained from the department.

ARM 16.8.1307(1)(b) The department may issue a conditional air quality open burning permit for the disposal of:

- (b) Untreated wood waste at licensed landfill sites

ARM 16.8.1307(2)(b) An air quality open burning permit issued under this rule is valid for . . . :

- (b) untreated wood waste at licensed landfill sites -- single burn. A new permit must be obtained for each burn.

E. Regulated Hazardous Waste Detection and Disposal Prevention

ARM 16.14.521(1)(e) Owners or operators of all Class II landfill units must implement a program at the facility for detecting and preventing the disposal of regulated hazardous wastes or polychlorinated biphenyls (PCB) wastes. This program must include, at a minimum:

- (i) Random inspections of incoming loads unless the owner or operator takes other steps to ensure that incoming loads do not contain regulated hazardous wastes or PCB wastes;
- (ii) Records of any inspections;
- (iii) Training of facility personnel to recognize regulated hazardous waste and PCB wastes

F. Landfill Gas Monitoring

ARM 16.14.521(1)(g) Owners or operators of all Class II landfill units must implement a department approved routine methane monitoring program that ensures that the standards of (f) of this subsection are met and that meets the following requirements:

- (i) The type and frequency of monitoring must be determined based on the following factors:
 - (A) Soil conditions;
 - (B) The hydrogeologic conditions surrounding the facility;
 - (C) The hydraulic conditions surrounding the facility; and
 - (D) The location of facility structures and property boundaries.

G. Run-on/Run-off Control Requirements

ARM 16.14.521(1)(j) Owners or operators of all Class II disposal units must design, construct, and maintain:

- (i) A run-on control system to prevent flow onto the active portion of the landfill during the peak discharge from a 25-year storm;
- (ii) A run-off control system from the active portion of the landfill to collect and control at least the water volume resulting from a 24-hour, 25-year storm.

ARM 16.20.1301 et. seq. The purpose of this subchapter . . . is to establish and implement one common system for issuing permits for point sources discharging pollutants into state waters, and is intended to allow the board and department to administer a pollutant discharge permit system which is compatible with the National Pollutant Discharge Elimination System as established by the U.S. Environmental Protection Agency. . . .

H. Special Waste Handling

Clean Air Act of 1990 Effective July 1, 1992, it shall be unlawful for any person, in the course of maintaining, servicing, repairing, or disposing of any appliance or industrial process refrigeration, to knowingly vent or otherwise knowingly release or dispose of any Class I or Class II substance used as a refrigerant in such appliance (or industrial process refrigeration) in a manner which permits such substance to enter the environment.

F. Landfill Gas MonitoringAreas of Concern
Yes No N/A

1. Does the MSWLF have an approved methane gas monitoring program? (ARM 16.14.521(1)(g)) Yes ☒ No ☐ N/A ☐
2. How many permanent methane monitoring stations does the facility have? Yes ☐ No ☐ N/A ☐
3. How many temporary bore holes used? Yes ☐ No ☐ N/A ☐
4. Are all facility buildings tested for methane? Yes ☐ No ☒ N/A ☒
 - a) Which ones? Yes ☐ No ☐ N/A ☐
 - b) What instrument is used? Yes ☐ No ☐ N/A ☐
5. How often are they sampled? (ARM 16.14.521(1)(g)(i)) Yes ☐ No ☐ N/A ☐
6. Readings reported in percent lower explosion limit (% LEL) for methane, percent volume of explosive gas in air, or in parts per million (ppm) of combustible gases? Yes ☐ No ☐ N/A ☐
7. Department checks conducted on wells? Yes ☐ No ☐ N/A ☒
 - a) Results? Yes ☐ No ☐ N/A ☐

NOTES: _____
_____**G. Run-on/Run-off Control Requirements**

Yes No N/A

1. Does the MSWLF have a run-on control system? (ARM 16.14.521(1)(j)(i)) Yes ☒ No ☐ N/A ☐
2. Does the MSWLF have a run-off control system? (ARM 16.14.521(1)(j)(ii)) Yes ☒ No ☐ N/A ☐
3. Does the site have a Montana Pollutant Discharge Elimination System (MPDES) permit? (ARM 16.20.1301 et. seq.) Yes ☐ No ☒ N/A ☐
 - b) What is its permit number? Yes ☐ No ☐ N/A ☐

NOTES: _____
_____**H. Special Waste Handling**

Yes No N/A

1. White goods stored on-site? Yes ☒ No ☒ N/A ☐
 - a) If so, has CFC removal been documented? (Clean Air Act of November 1990) Yes ☒ No ☐ N/A ☒
 - b) Have refrigerator doors been sealed or disabled? (§ 45-8-113(a), MCA) Yes ☐ No ☒ N/A ☐
 - c) Are White Goods recycled? Yes ☐ No ☒ N/A ☐
 - d) By whom? Yes ☐ No ☐ N/A ☐
 - e) How often are they removed from site? Yes ☐ No ☒ N/A ☐
2. Dead animals accepted? Yes ☐ No ☒ N/A ☐
 - a) If so, does the facility have a special disposal area? Yes ☐ No ☐ N/A ☒
 - b) Where is it located? Yes ☐ No ☐ N/A ☐
3. Is asbestos disposed on-site? Yes ☐ No ☒ N/A ☐
 - a) If so, is there a special disposal area for it? Yes ☐ No ☐ N/A ☐
 - b) A map available? Yes ☐ No ☐ N/A ☐
 - c) Covered with at least six inches of soil? Yes ☐ No ☐ N/A ☐
 - d) If closed, has the disposal site operator informed EPA as to the location and amount of waste deposited? (40 CFR § 61.154(g)) Yes ☐ No ☐ N/A ☐
 - e) If closed, has a notification concerning the presence of asbestos waste been placed on the deed to the property? Yes ☒ No ☐ N/A ☐
4. Does the site landfarm contaminated soils? Yes ☒ No ☐ N/A ☐
 - a) If so, is it part of the approved operations? Yes ☒ No ☐ N/A ☐
 - b) Where is it located? Southeast part of site Yes ☐ No ☐ N/A ☐

NOTES: _____

 BRIEF SUMMARY OF THE RULES AND REGULATIONS GOVERNING SOLID WASTE DISPOSAL IN MONTANA -- CONTINUED

Section 45-8-113(1)(a), MCA (MSWMA) A person commits the offense of creating a hazard if he knowingly:

- (a) discards in any place where it might attract children a container having a compartment of more than 1½ cubic feet capacity and a door or lid that locks or fastens automatically when closed and cannot easily be opened from the inside and fails to remove the door, lid, or locking or fastening device;

40 CFR § 61.154(g) (NESHAP) Upon closure, comply with all the provisions of 40 CFR § 61.151.

J. Examination of Operation Records

ARM 16.14.521(1)(e) Owners or operators of all Class II landfill units must implement a program at the facility for detecting and preventing the disposal of regulated hazardous wastes or polychlorinated biphenyls (PCB) wastes. This program must include, at a minimum:

- (ii) Records of any inspections;
- (iii) Training of facility personnel to recognize regulated hazardous waste and PCB wastes

ARM 16.14.521(1)(p) The owner or operator of a Class II disposal unit must record and retain at the facility or at an alternative location approved by the department, an operating record containing the following information as it becomes available:

- (i) Any location restriction demonstration required under this subchapter;
- (ii) Inspection records, training procedures, and notification procedures required under this subchapter;
- (iii) Gas monitoring results from monitoring and any remediation plans required by this subchapter;
- (iv) Any design documentation for construction or the placement of leachate or gas condensate in a landfill unit as required under this subchapter;
- (v) Any demonstration, certification, finding, monitoring, testing, or analytical data required by department ground water monitoring regulations found in ARM 16.14.701 *et. seq.*;
- (vi) Closure and post-closure care plans and any monitoring, testing, or analytical data of required by this subchapter;
- (vii) Any cost estimates and financial assurance documentation required by this subchapter;
- (viii) Any information demonstrating compliance with and approval of the small community exemption; and
- (ix) Any waste quantity records required under this subchapter.

ARM 16.14.707(4) A copy of all plans, reports, studies and other ground water monitoring methods or activities must be supplied to the department and placed in the operating record.

40 CFR 61.154(e)(1) For all asbestos-containing waste material received, the owner/operator of the MSWLF shall maintain waste shipment records.

40 CFR 61.154(e)(4) For all asbestos-containing waste material received, the owner/operator of the MSWLF shall retain a copy of all records and reports required by this paragraph for at least two years.

40 CFR 61.154(f) Maintain, until closure, records of the location, depth and area, and quantity in cubic meters (cubic yards) of asbestos-containing waste material within the disposal site on a map or diagram of the disposal area.

40 CFR 61.154(i) Furnish upon request and make available during normal business hours for inspection by the Administrator, all records required under this section.

ARM 16.14.405(1) Except as provided in 75-10-214, MCA, no person may dispose of solid waste or operate or maintain a solid waste management system after July 1, 1991 without an operating license from the department. The license period shall be for a base year from July 1 of one year through Jun 30 of the subsequent year.

ARM 16.14.405(1)(b) The department shall mail invoices for license renewal fees to license holders by June 15 of each year. License renewal fees will be calculated in accordance with Table 1, "Annual License Fee Schedule". Any solid waste management facility that does not fit into one of the categories listed in Table 1 shall be assessed fees no greater than major Class II landfill facilities. Payment of renewal fees may be submitted to the department quarterly, with the first payment due on or before July 31 of each base year. Failure to submit payments when due shall subject the license holder to the provisions of Section 75-10-116, MCA.

K. Additional Questions

ARM 16.14.406(3) In addition to the volume based fee specified in (1) of this rule, any person licensed to dispose of or incinerate solid waste shall submit to the department a quarterly fee of \$0.27 per ton of solid waste generated outside Montana and disposed of or incinerated within Montana. All facilities that accept wastes from outside Montana for the purpose of incineration or disposal must weigh the wastes accepted at the facility to accurately determine the volume accepted.

ARM 16.14.406(4) Each facility receiving waste generated outside Montana must record the weights of all out-of-state waste received and such records must be placed in the operating record and must be reported to the Department in the annual report specified in ARM 16.14.407.

I. Waste Reduction

Areas of Concern
Yes No N/A

1. Does the facility **recycle**?

a) What is recycled?

Used Oil

Aluminum Cans

Steel Cans/Scrap Metal

Glass

Paper

Batteries (Wet/Dry Cell)

Newspaper

Other

b) What is the frequency of removal?

c) Where are the recyclables taken?

2. Does the facility **compost**?

a) What composting method is used?

b) What is composted?

c) What is the compost used for?

d) Is it contaminated?

3. Does the facility have a household hazardous waste collection area?

a) If so, what is collected?

b) How often is the material removed and who removes it?

c) What is the final disposition of the collected material?

NOTES:

J. Examination of Operation Records (see ARM 16.14.521(1)(p))

Yes No N/A

1. Does the MSWLF have **weight/volume** records on-site? - City Hall

2. Are **ground water monitoring** records on-site? (ARM 16.14.707(4))

a) If not, where are they?

b) When were the wells last sampled? 9/1991

c) What was it sampled for?

3. Does the MSWLF have records of **HW screenings**? (ARM 16.14.521(1)(e)(iii))

a) Where are they located?

b) Any records of personnel training? (ARM 16.14.521(1)(e)(iii))

4. Does the facility have on-site records of **landfill gas monitoring**?

5. Are **asbestos** waste shipment records maintained? (40 CFR § 61.154(e)(1))

a) Are copies of all required records and reports retained for 2 years? (40 CFR § 61.154(e)(4))

b) Are records available for inspection? (40 CFR § 61.154(i))

c) Is a map or diagram of the asbestos disposal area being maintained? (40 CFR § 61.154(f))

6. In regard to **landfills**, are waste shipment records maintained?

a) Is the material typically analyzed?

b) What is the soil tested for? Hydrocarbons

b) What volume of soils are accepted annually? 100 yds

7. Are **leachate** analysis records stored on-site?

a) If not, where?

b) When was the last sampling event?



ANALYSIS OF RESULTS
FOR THE
YEAR
1954

ANALYSIS OF RESULTS
FOR THE
YEAR
1954

ANALYSIS OF RESULTS
FOR THE
YEAR
1954

ANALYSIS OF RESULTS
FOR THE
YEAR
1954

Areas of Concern
Yes No N/A

c) What contaminate(s) is the leachate tested for? _____

8. Any location restriction documents? (ARM 16.14.521(1) (p) (i))
a) What are they? _____

☒ ☐ ☐

9. Any MSWLF unit design documentation for the construction or placement of leachate or gas condensate? (ARM 16.14.521(1) (p) (iv))

☐ ☒ ☐

10. Closure and Post-closure care information on-site? (ARM 16.14.521(1) (p) (vi))

☐ ☒ ☐

11. Cost estimates or financial assurance documents on-site? (ARM 16.14.521(1) (p) (vii))

☐ ☒ ☐

12. Any information demonstrating compliance with small community exemption? (ARM 16.14.521(1) (p) (viii))

☐ ☒ ☐

13. License issued? (ARM 16.14.405(1))

☒ ☐ ☐

14. Fees paid? (ARM 16.14.405(1) (b))

☒ ☐ ☐

NOTES: _____

K. Additional Questions

1. Does the MSWLF accept out-of-state wastes?

Yes No N/A

☐ ☒ ☐

a) If so, how much? _____

2. Are the weight records up to date? (ARM 16.14.406(4))

☐ ☒ ☐

3. Has last quarter report and fee payment been submitted to the state? (ARM 16.14.406(3))

☐ ☐ ☒

4. Out-of-state waste received from: _____

ADDITIONAL NOTES AND/OR COMMENTS:

Discussed new regulations and alternatives.

(1) (Last contact) to the Institute dated 1947

(2) (Last contact) to the Institute dated 1947

(3) (Last contact) to the Institute dated 1947

U/A No. 101

(4) (Last contact) to the Institute dated 1947

(5) (Last contact) to the Institute dated 1947

f:\cb5405\wp\inspect.93\forminsp\inspect.map

Sweet Grass

ROUTE SLIP

DEPARTMENT OF HEALTH & ENVIRONMENTAL SCIENCES

TO: Proof ^{cu}
1. PAT ^{EPC}
2. Jon ^{JD}
3.
DATE: 12/21/93
mailed 12/22/93

- | | | |
|--|---|---|
| ☐ Approval | ☐ Comment | ☐ Necessary Action |
| ☐ Note and Return | ☐ Note and File | ☐ Investigate |
| ☐ Prepare reply | ☐ Signature | ☐ See Me |
| ☐ As requested | ☐ For your information | ☐ Per Conversation |

REMARKS:

Big Timber Class II #308 Inspect

Enclosed: Dec SWP Newblt
12/14 Inspection Report

CC: Rod Fintz, Box 111, Columbus, 59019
Ron Thomas, OPW, Big Timber

F: 93 INSPECT/Big Timber, D14

FILE: SWEET GRASS CO. Big Timber Class II Field
FROM: J.D.T.

DEPARTMENT OF
HEALTH AND ENVIRONMENTAL SCIENCES

Solid and Hazardous Waste Bureau

Solid Waste Program

MARC RACICOT, GOVERNOR (406) 444-1430

FAX # (406) 444-1499



STATE OF MONTANA

OFFICE
LOCATION 836 Front Street
Helena, Montana

MAILING PO BOX 200901
ADDRESS: Helena, MT 59620-0901

December 21, 1993

City of Big Timber
P.O. Box 416
Big Timber, MT 59011

Subject: Big Timber Class II Landfill Inspection, License #308

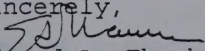
Dear Mayor and Council Members:

On December 14, 1993, I met with Kevin Hutchison & Jay Graham to inspect the Big Timber Class II landfill site for compliance with the laws and rules of the State of Montana governing solid waste disposal. Enclosed is a copy of my inspection report. There were no operational violations noted during this inspection and in general the facility was being operated within compliance of current state law applicable to landfills serving a population of under 5,000 people.

As you may know, October 9, 1993 marked the effective date for implementation of updated state and federal regulations regarding Solid Waste Management Systems. While small landfills received an extension until April 9, 1994, to fulfill most of these updated compliance standards, there are requirements that are in place now. The Big Timber Class II is required to have a Department approved Closure Plan on file now, not after April 9, 1994. I refer you to Page 7, of the December Solid Waste Program News Bulletin (enclosed) article by Jim Wilbur for a detailed explanation of this requirement. I think you will find the enclosure helpful in understanding other regulations and their effective dates.

If it is your intention to remain open after April 9, 1994, you should be preparing plans and a budget for: groundwater monitoring; leachate monitoring; methane monitoring; and all other requirements for your facility according to Administrative Rules of Montana Title 16, Chapter 14, Subchapter 5. Thank you for your cooperation in the matter of this inspection. Please do not hesitate to contact the program if you have any questions.

Sincerely,


Edward A. Thamke
Solid Waste Program

SOLID WASTE MANAGEMENT SYSTEM INSPECTION REPORT

Location of Site: Big Timber
License #: 308
County: Sweet Grass

Date: December 14, 1993

Class: II

Owner/Operator: City of Big Timber

Address: P.O. Box 416
Big Timber 59011

MAJOR
VIOLATION

MINOR
VIOLATION

Violations are explained on Page Two

1. Burning Controlled: Yes
2. Disposal Site Properly Located: Yes
3. Dumping Confined to a Manageable Area: Yes
4. Refuse Properly Covered After Each Operating Day: Yes
5. Spreading and Compaction of Refuse Adequate: Yes
6. Rodents and Insects Controlled: Yes
7. Blowing Litter Controlled: Yes
8. Access to Site Controlled: Yes
9. Approach Road Properly Maintained: Yes
10. Other (Explained on Page Two)

Control of Site: ☒ Signs ☒ Fences and Gates ☐ Supervision ☐ None

Equipment at Site: ☒ Yes ☐ No

Type: CAT 963 Track Loader

Person(s) Seen: Kevin Hutchison, Jay Graham

Signature of Inspector: _____

Edward A. Thamke

ROUTE SLIP

DEPARTMENT OF HEALTH & ENVIRONMENTAL SCIENCES

TO:

DATE: _____

1.

Ed ✓

2.

Pat C #AC

3.

File

- | | | |
|--|---|---|
| ☐ Approval | ☐ Comment | ☐ Necessary Action |
| ☐ Note and Return | ☐ Note and File | ☐ Investigate |
| ☐ Prepare reply | ☐ Signature | ☐ See Me |
| ☐ As requested | ☐ For your information | ☐ Per Conversation |

REMARKS:

FROM: _____



DAMSCHE & ASSOCIATES, INC.

CONSULTING ENGINEERS

2030 11TH AVENUE • SUITE 11
P.O. BOX 4817 • HELENA, MT 59604

TELEPHONE (406) 449-8627
FAX (406) 449-8631

December 7, 1993

RECEIVED

DEC 08 1993

MONTANA DEPARTMENT OF HEALTH
AND ENVIRONMENTAL SCIENCES
SOLID AND HAZARDOUS WASTE BUREAU

City of Big Timber
P.O. Box 416
Big Timber, MT 59011

Dear Mayor & Council Members:

Re: Big Timber Landfill Annual Inspection Report

The purpose of this letter is to summarize my field trip and inspection that I conducted on September 24, 1993 at the City's landfill site. I was accompanied by Ron Thomas. According to our discussion and my observations, I have the following comments to offer.

I. ACCESS

- The site was restricted in access with a locked gate and fencing.
- The site is open to the public on Wednesday afternoons from 1:30 to 4:00 and on Saturday mornings from 8:00 to 11:00. A City operator is on duty at the site during these hours to monitor dumping and operate the equipment. The City collection crew also hauls waste to the site on the average of approximately three (3) days per week depending on the season.
- There are two full time employees allocated to solid waste. These employees are responsible for collecting the solid waste as well as running the landfill. When at the landfill, the employees monitor loads of waste, stockpile cover soil, compact and cover the waste and pick up wind blown litter.
- Ron indicated that a volunteer recycle trailer was recently fabricated and will be located in Big Timber for use by the general public. The trailer will have various bins to store the different recyclable materials from the community. The details of where these materials will be sold is still being pursued.

II. EQUIPMENT

- The City utilizes a Cat 963 track loader for waste compaction and applying daily cover. The track loader is also used for moving and stockpiling cover soil.

ROUTE SLIP

DEPARTMENT OF HEALTH & ENVIRONMENTAL SCIENCES

TO:

DATE: _____

1. Ed ✓
2. Pat C #PC
3. File

- | | | |
|--|---|---|
| ☐ Approval | ☐ Comment | ☐ Necessary Action |
| ☐ Note and Return | ☐ Note and File | ☐ Investigate |
| ☐ Prepare reply | ☐ Signature | ☐ See Me |
| ☐ As requested | ☐ For your information | ☐ Per Conversation |

REMARKS:

FROM: _____



12/19/93

FOOTNOTES TO THE FINANCIAL STATEMENTS

Page 1 of 1

Date: 12/31/2023

Address: 123 Main St
City: New York, NY 10001

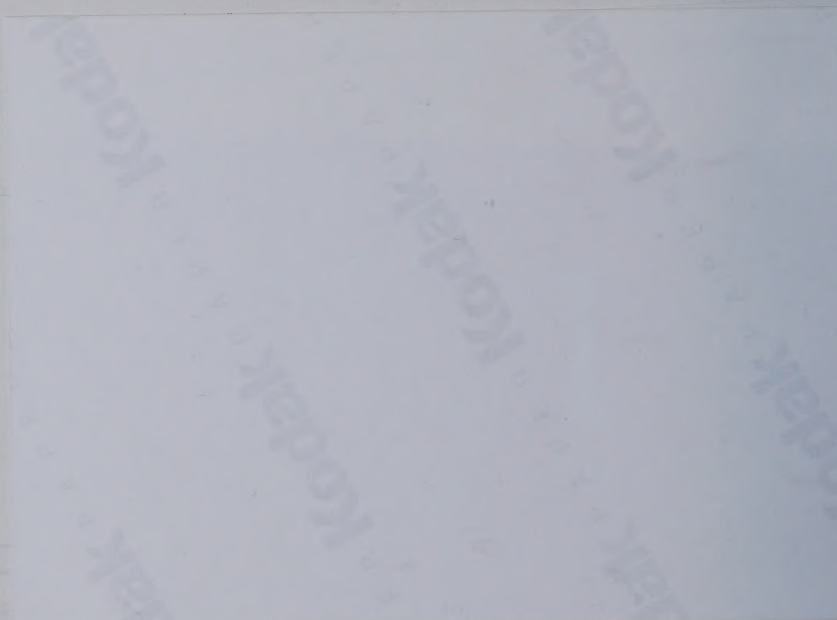
Location of office: New York, NY

Company: ABC Corp

Owner: John Doe

Notes: This document is for informational purposes only. It is not intended to be used as a legal document.

Information is provided on page two



Page 1 of 1

Equipment: 123 Main St

Owner: ABC Corp

Address: 123 Main St

Signature of John Doe
John Doe



WORLD WIDE MAIL SERVICE SYSTEM INSTRUCTIONS

Date: December 11, 1977

Class: 11

Address: 700 4th Ave
Box 100000
New York, NY 10018

Section of Report: 11-1

Page: 1 of 1

Subject: 11-1-1

Reference: 11-1-1-1

WORLD WIDE MAIL SERVICE SYSTEM
INSTRUCTIONS

Instructions are contained on page 11-1



WORLD WIDE MAIL SERVICE SYSTEM

Instructions are contained on page 11-1

Page: 1 of 1

Section of Report: 11-1

Page: 1 of 1

Subject: 11-1-1



Big Timber Class II # 308

Active disposal rough from top (North)



Ed.T
Big Timber Landfill #308

Active trench from South

S.W. Canada is Strawbays debris from complaint
Left uncovered so I could see.





big Timber LANDFILL #308

Compost Pile & Sign





Big Timber Landfill #308

Group III trench with byrd

pile shown



Big Timber Landfill #308

Contaminated Soils Area

Composite Borehole Cell, High 1024





DAMSCHEN & ASSOCIATES, INC.

CONSULTING ENGINEERS

2030 11TH AVENUE • SUITE 11
P.O. BOX 4817 • HELENA, MT 59604

TELEPHONE (406) 449-8627
FAX (406) 449-8631

December 7, 1993

RECEIVED

DEC 08 1993

MONTANA DEPARTMENT OF HEALTH
AND ENVIRONMENTAL SCIENCES
SOLID AND HAZARDOUS WASTE BUREAU

City of Big Timber
P.O. Box 416
Big Timber, MT 59011

Dear Mayor & Council Members:

Re: Big Timber Landfill Annual Inspection Report

The purpose of this letter is to summarize my field trip and inspection that I conducted on September 24, 1993 at the City's landfill site. I was accompanied by Ron Thomas. According to our discussion and my observations, I have the following comments to offer.

I. ACCESS

- The site was restricted in access with a locked gate and fencing.
- The site is open to the public on Wednesday afternoons from 1:30 to 4:00 and on Saturday mornings from 8:00 to 11:00. A City operator is on duty at the site during these hours to monitor dumping and operate the equipment. The City collection crew also hauls waste to the site on the average of approximately three (3) days per week depending on the season.
- There are two full time employees allocated to solid waste. These employees are responsible for collecting the solid waste as well as running the landfill. When at the landfill, the employees monitor loads of waste, stockpile cover soil, compact and cover the waste and pick up wind blown litter.
- Ron indicated that a volunteer recycle trailer was recently fabricated and will be located in Big Timber for use by the general public. The trailer will have various bins to store the different recyclable materials from the community. The details of where these materials will be sold is still being pursued.

II. EQUIPMENT

- The City utilizes a Cat 963 track loader for waste compaction and applying daily cover. The track loader is also used for moving and stockpiling cover soil.

- No new trenches were excavated since the landfill opened approximately 2 years ago.

III. GENERAL OPERATION PRACTICES

- The access road was bladed and in good shape.
- In the Class III pit, the tree wastes are being stockpiled separately with the pile very "clean" as far as other non-acceptable wastes being included. Tires were also being stockpiled separately and, according to Ron, these tires are periodically hauled to the Livingston incinerator at no charge. The City also has a compost area whereby lawn trimmings are stockpiled.
- The litter control at the site was very good with very little wind blown paper evident on the litter fences.

IV SUGGESTIONS

- In our annual inspection conducted in October, 1992, I indicated that the City has the option of either placing the waste full height as they proceed from north to south in the trench or filling the trench in three 4-6 foot lifts. Ron and I discussed this again during our inspection. In order to maintain a small working face and still fill full height in one lift, I noticed that the slope on the working face is approximately 2:1 versus 3:1 which is typically recommended. Also, this filling method requires pushing the waste a sizable distance when it is necessary to fill the top of the trench. In addition to fuel and maintenance that this pushing requires, it also exposes a rather large open face that requires additional daily soil cover. Based on this observation, the City may want to re-evaluate placing the waste in lifts rather than full height in one lift. This decision is up to the City since the design of the facility will accommodate either filling sequence.
- Ron and I discussed the application of the daily soil cover. In addition to obtaining the soil from the stockpiles located on either side of the trench, I also recommended excavating slightly more soil from the trench's exposed banks. Care should be taken, however, to maintain a "safe bank situation" in order that a severe bank collapse does not occur.
- Ron and I also discussed the new State rules that allows for the use of alternate daily cover over the wastes other than 6 inches of soil. The most prominent alternate covers are synthetic fabrics that are placed over the working face each

No new trenches were excavated since the landfill opened approximately 3 years ago.

III. GENERAL OPERATION PRACTICES

- 1. The success road was bladed and in good shape.
- 2. In the Class III pit, the tree wastes are being stockpiled separately with the pile very "clean" as far as other non-acceptable wastes being included. Trees were also being stockpiled separately and, according to Don, these trees are periodically hauled to the Livingston incinerator at no charge. The City also has a compost area whereby lawn trimmings are stockpiled.
- 3. The litter control at the site was very good with very little wind blown paper evident on the litter lanes.

IV. SUMMARY

In our annual inspection conducted in October, 1953, I indicated that the City has the option of either placing the waste full height as they proceed from north to south in the trench or filling the trench in three 4-foot lifts. Don and I discussed this again during our inspection. In order to maintain a small working face and still fill full height as we lift, I noticed that the slope on the working face is approximately 3:1 rather than 1:1 which is typically recommended. Also this lifting method requires pushing the waste a suitable distance when it is necessary to fill the top of the trench. In addition to fuel and maintenance that this practice requires, it also exposes a rather large open face that requires additional daily soil cover. Based on this consideration, the City may want to re-evaluate placing the waste in lifts rather than full height in one lift. This decision is up to the City since the design of the landfill will accommodate either lifting method.

Don and I discussed the application of the daily soil cover. In addition to covering the soil from the stockpiles located on either side of the trench, I also recommended covering slightly more soil from the trench's exposed banks. This should be noted, however, to maintain a safe bank situation in order that a severe bank collapse does not occur.

Don and I also discussed the new stone rules that allow for the use of alternate daily cover over the waste other than a layer of soil. The waste placement alternate covers are synthetic fabrics that are placed over the working face when

City of Big Timber
December 7, 1993
Page 3

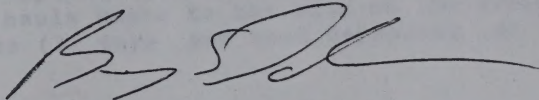
day. I feel that on the small landfills like Big Timber, these alternative covers are very cost effective as well as they increase the life of each trench. If the City wishes to pursue this, a modification to your operating plan is necessary. If you desire, I can provide you additional information and/or assist in pursuing this with the State.

As we also discussed, on April 9, 1994, the new regulations concerning methane monitoring and load checking and record keeping go into effect. The first step in this regard is to prepare and submit a plan to the State for their review and approval. If you desire I would be most happy to submit a proposal to prepare these documents.

In summary, the site is being operated very fine. The operators are doing a fine job of covering and compacting the waste. If you have any questions or comments, please give me a call.

Yours very truly,

DAMSCHEN & ASSOCIATES, INC.



Barry E. Damschen, P.E.
Project Manager

cc: Jim Wilbur, Solid and Hazardous Waste Bureau

day. I feel that on the small landfill like Big Timber, these alternative covers are very cost effective as well as they increase the life of each liner. If the City wishes to pursue this, a modification to your operating plan is necessary. If you desire, I can provide you additional information and/or assist in purchasing them with the State.

As we also discussed, on April 3, 1993, the new regulations concerning methane monitoring and leak detection and testing testing go into effect. The latest step in this regard is to prepare and submit a plan to the State for their review and approval. If you desire I would be most happy to submit a proposal to prepare these documents.

In summary, the site is being operated very fine. The operators are doing a fine job of covering and compaction the waste. If you have any questions or comments, please give me a call.

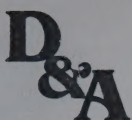
Yours very truly,

DANESCHER & ASSOCIATES, INC.



Barry E. Danesch, P.E.
Project Manager

cc: The Mayor, John and Karabouk Waste Transfer



DAMSCHE & ASSOCIATES, INC.

CONSULTING ENGINEERS

File: Big Timber

2030 11TH AVENUE • SUITE 11
P.O. BOX 4817 • HELENA, MT 59604

TELEPHONE (406) 449-8627

FAX (406) 449-8631

November 3, 1992

RECEIVED

NOV 05 1992

City of Big Timber
P.O. Box 416
Big Timber, MT 59011

MONTANA DEPARTMENT OF HEALTH
AND ENVIRONMENTAL SCIENCES
SOLID AND HAZARDOUS WASTE BUREAU

Dear Mayor & Council Members:

Re: Big Timber Landfill Annual Inspection Report

The purpose of this letter is to summarize my field trip and inspection that I conducted on October 23, 1992 at the City's new landfill site. I was accompanied by Ron Thomas and Kevin Hutchins. According to our discussion and my observations, I have the following comments to offer.

I. ACCESS

- The site is restricted in access with a locked gate and fencing.
- The site is open to the public on Wednesday afternoons from 1:30 to 4:00 and on Saturday mornings from 8:00 to 11:00. A City operator is on duty at the site during these hours to monitor dumping and operate the equipment. The City collection crew also hauls waste to the site on the average of approximately three (3) days per week depending on the season.

II. EQUIPMENT

- The City utilizes a Cat 963 track loader for waste compaction and applying daily cover. The track loader is also used for moving and stockpiling cover soil.
- No new trenches were excavated since the landfill opened approximately 1 year ago.

III. GENERAL OPERATION PRACTICES

- The access road was bladed and in good shape.
- An adequate amount of daily cover was being used.
- The waste was being compacted very well. Also the open face had approximately a 3:1 slope which is what is recommended.
- There was a pile of tree wastes stockpiled in the Class III pit ready to be burned. Kevin indicated that they would be burning this pile in the near future. Tires were also being stockpiled in a separate area of the Class III pit.

- The litter control at the site was fair to good with some wind blown paper evident on the litter fence. The litter fences should be picked clean in the near future.
- According to Kevin there are two full time employees (Kevin and Jay) allocated to solid waste. These employees are responsible for collecting the solid waste as well as running the landfill. When at the landfill, the employees monitor loads of waste, stockpile cover soil, compact and cover the waste and pick up wind blown litter.

IV SUGGESTIONS

1. The north slope of the trench appears to be a little steeper than a 3:1 slope. It is suggested that the City purchase a hand held device that directly reads out slope. This will allow the operators to make sure that the maximum slopes indicated on the landfill plans are not exceeded. It is suggested that the north slope be filled in with soil and/or waste to reduce the slope to a maximum of 3:1.
2. Kevin and Ron indicated that they were transporting the daily soil from the detention pond to the operating face. I indicated that the daily cover soil should be obtained instead from the excess soil on both sides of the trench. Otherwise it will be difficult to excavate the soil from the adjacent trenches when the time comes.
3. I also suggested that final grade stakes be placed at two locations on the soil stockpiled along both sides of the trench. These stakes would then provide the operators with guide points to assist in placing the waste to the proper elevations as the trench is filled. I discussed how this can be accomplished with Ron and Kevin by reviewing the plans in the office after our inspection. Ron and Kevin indicated that they could do this quite easily and would try to get this accomplished in the near future.
4. Finally, we discussed the present method of filling the trench from the north to south full height in comparison to filling the trench in three 4-6 foot high lifts. This was discussed at great length when the site was opened one year ago, at which time the City decided on using the full height option. The primary reason for filling in this manner was to reduce the time and expense it could take to maintain the access road in the trench. We again discussed the advantages and disadvantages of the two options. I indicated that the decision was up to the City and that if they wanted to change to filling the trench in lifts they could revert to this type of operation at any time. If the decision is made to fill in lifts, it was decided that waste should be placed from the rock outcrop to the south end

The litter control at the site was left in good with some wind blown paper evident on the litter fence. The litter fences should be picked clean in the near future.

According to Kevin there are two full time employees (Kevin and Jay) allocated to solid waste. These employees are responsible for collecting the solid waste as well as running the landfill. When at the landfill, the employees monitor loads of waste, weighpile cover soil, compact and cover the waste and pick up wind blown litter.

IV. SUGGESTIONS

The north slope of the trench appears to be a little steeper than a 3:1 slope. It is suggested that the City purchase a hand held device that directly reads soil slope. This will allow the operators to determine what the various slopes indicated on the landfill plans are now associated. It is suggested that the north slope be filled in with soil and/or waste to reduce the slope to a maximum of 3:1.

Kevin and Ron indicated that they were transporting the daily soil from the detention pond to the operating face. I indicated that the daily cover soil should be obtained instead from the excess soil on both sides of the trench. Otherwise it will be difficult to excavate the soil from the adjacent trenches when the time comes.

I also suggested that final grade stakes be placed at two locations on the soil transported along both sides of the trench. These stakes would then provide the operators with guide points to assist in placing the waste to the proper elevations as the trench is filled. I discussed how this can be accomplished with Ron and Kevin by reviewing the plans in the office after our inspection. Ron and Kevin indicated that they could do this quite easily and would try to get this accomplished in the near future.

Finally, we discussed the present method of filling the trench from the north to south full height in comparison to filling the trench in three 4-6 foot high lifts. This was discussed at great length when the site was opened one year ago, at which time the City decided on using the full height option. The primary reason for filling in this manner was to reduce the time and expense it would take to maintain the excess road in the trench. We again discussed the advantages and disadvantages of the two options. I indicated that the decision was up to the City and that if they wanted to change to filling the trench in lifts they could convert to this type of operation at any time. If the decision is made to fill in lifts, it was decided that waste should be placed from the rock outcrop on the north end

first, then come back to the northern most waste slope and fill another lift to the south. This will minimize run-off from ponding at the south end of the trench.

Overall, the site is being operated very fine. Kevin and Jay are doing a fine job of covering and compacting the waste. If you have any questions or comments, please give me a call.

Yours very truly,

DAMSCHEN & ASSOCIATES, INC.

Barry E. Damschen

Barry E. Damschen, P.E.
Project Manager

cc: Jim Wilbur, Solid and Hazardous Waste Bureau

Sincerely,

David H. Haure

David H. Haure, Environmental Specialist

cc: Rod Fink, R.S., Sweet Grass County, Box 111, Columbia, MT 59019
Ron Thomas, DPW, Big Timber

Re: Sweet Grass Co Big Timber landfill - License #200
To: DL-WF/DPW/ST/ST/IN/ST

First, then come back to the northern most waste site and
fill another lift to the south. This will minimize run-off
from ponding at the south end of the site.

Overall, the site is being operated very fine. Kevin and Jay are
doing a fine job of covering and composting the waste. If you
have any questions or comments, please give us a call.

Yours very truly,

SCREEN & ASSOCIATES, INC.

JOHN E. DUNN, P.E.
Project Manager

JOHN WASTE BUSINESS

ROUTE SLIP

DEPARTMENT OF HEALTH & ENVIRONMENTAL SCIENCES

TO: Proff LH

DATE: 3/31/92

1. Pat C PRC

2. John W. JW

3.

- | | | |
|--|---|---|
| ☒ Approval | ☒ Comment | ☐ Necessary Action |
| ☐ Note and Return | ☐ Note and File | ☐ Investigate |
| ☐ Prepare reply | ☐ Signature | ☐ See Me |
| ☐ As requested | ☐ For your information | ☐ Per Conversation |

REMARKS:

*Big Timber Inspection
Co. Sweetgrass*

FROM: Dave H.

*mailed
4-1-92
DH*

DEPARTMENT OF
HEALTH AND ENVIRONMENTAL SCIENCES
Solid and Hazardous Waste Bureau
Solid Waste Program

STAN STEPHENS, GOVERNOR (406) 444-1430

FAX #(406) 444-1499



STATE OF MONTANA

OFFICE 836 Front Street
LOCATION: Helena, Montana

MAILING Cogswell Building
ADDRESS: Helena, MT 59620

April 1, 1992

James, Devenny, Mayor
City of Big Timber
City Hall
Big Timber, MT 59011

SUBJECT: Landfill Inspection

Dear Mr. Devenny:

On March 11, 1992, I inspected the Big Timber Class II landfill (License #308) for compliance with the laws and rules of the State of Montana governing solid waste disposal. Enclosed is a copy of my inspection report.

There were no violations noted at the time of my inspection. I would like to compliment you and your staff on the excellent management of this facility.

Please extend my thanks to Jay Graham for his cooperation during my inspection. If you have any questions, please do not hesitate to contact me.

Sincerely,

A handwritten signature in cursive script, reading "David H. Haire".

David H. Haire, Environmental Specialist

cc: Rod Fink, R.S., Sweet Grass County, Box 111, Columbus, MT 59019
Ron Thomas, DPW, Big Timber

File: Sweet Grass Co./Big Timber landfill - License #308
Path: H:\...\\WP\INSPCT\BIGTMBR.392

SOLID WASTE MANAGEMENT SYSTEM INSPECTION REPORT

Location of Site: Big Timber Landfill (License #308)

Date: 3/11/92

County: Sweet Grass

Class: II

Operator: City of Big Timber

Address: Big Timber

Owner: City of Big Timber

Address: Big Timber

	<u>YES</u>	<u>NO</u>
1. Burning Controlled:	XX	
2. Disposal Site Properly Located:	XX	
3. Dumping Confined to a Manageable Area:	XX	
4. Refuse Properly Covered After Each Operating Day:	XX	
5. Spreading and Compaction of Refuse Adequate:	XX	
6. Rodents and Insects Controlled:	XX	
7. Blowing Litter Controlled:	XX	
8. Access to Site Controlled:	XX	
9. Approach Road Properly Maintained:	XX	

Control of Site: X Signs X Fences and Gates X Supervision None

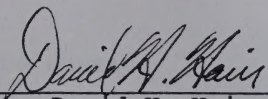
Equipment at Site: X Yes No

Type: CAT Track Loader (Bucket)

Size: 963

Person(s) Seen: Jay Graham

Signature of Inspector: _____


David H. Haire

ROUTE SLIP

DEPARTMENT OF HEALTH & ENVIRONMENTAL SCIENCES

TO: PROOF ^{en} DATE: 11/27/91

1. Jim W. JW Patty P.
2. Jon D. JD Roger ACB
3. Ed T. ET Diane DR

- | | | |
|--|---|---|
| ☒ Approval | ☒ Comment | ☐ Necessary Action |
| ☐ Note and Return | ☐ Note and File | ☐ Investigate |
| ☐ Prepare reply | ☐ Signature | ☐ See Me |
| ☐ As requested | ☐ For your information | ☐ Per Conversation |

REMARKS:

*Mailed
12/3/91 LL*

FROM: Dave H.

Sweet
Grass Co

DEPARTMENT OF
HEALTH AND ENVIRONMENTAL SCIENCES

Solid and Hazardous Waste Bureau
(406) 444-1430

STAN STEPHENS, GOVERNOR

FAX #(406) 444-1499



STATE OF MONTANA

OFFICE 836 Front Street
LOCATION: Helena, Montana

MAILING Cogswell Building
ADDRESS: Helena, MT 59620

December 2, 1991

Mr. James Devenny, Mayor
City of Big Timber
City Hall
Big Timber, MT 59011

Subject: Landfill Inspection

Dear Mr. Devenny,

On November 19, 1991, James Wilbur, Ed Thamke, and I inspected the old Big Timber disposal site and the new Big Timber Sanitary Landfill for compliance with the laws and rules of the State of Montana governing solid waste disposal. Enclosed is a copy of our inspection reports.

The items marked "no" on the form are areas where violations were noted. On a separate page I have quoted the rule which was violated and an explanation of the specific problem. These violations need to be corrected to bring your operation into compliance.

Overall, problems at both sites are minimal. The old disposal site requires the most attention as it is scheduled for final closure in the spring of 1992. The new sanitary landfill appeared to be an excellent facility; there are only a few minor concerns which are addressed in the report.

I have included two (2) copies of the EPA publication Sanitary Landfill - Design and Operation as requested by Jay Graham and Kevin Hutchins.

Thank you for your cooperation in this matter and please do not hesitate to contact me if you have any questions.

Sincerely,

A handwritten signature in cursive script, reading "David H. Haire".

David H. Haire
Solid & Hazardous Waste Bureau

cc: Rod Fink, R.S., Sweetgrass Co., Box 111, Columbus, MT 59019
Ron Thomas, DPW, Big Timber

Enclosures

SOLID WASTE MANAGEMENT SYSTEM INSPECTION REPORT

Location of Site: Big Timber Old Landfill Date: November 19, 1991

County: Sweetgrass

Class: II

Operator: City of Big Timber

Address: Big Timber

Owner: City of Big Timber

Address: Big Timber

YES

NO

Explain No answers on Page Two

1. Burning Controlled: XX
2. Disposal Site Properly Located: XX
3. Dumping Confined to a Manageable Area: XX
4. Refuse Properly Covered After Each Operating Day: XX
5. Spreading and Compaction of Refuse Adequate: XX
6. Rodents and Insects Controlled: XX
7. Blowing Litter Controlled: XX
8. Access to Site Controlled: XX
9. Approach Road Properly Maintained: XX
10. Other (Explained on Page Two) XX

Control of Site: X Signs X Fences and Gates Supervision None

Equipment at Site: Yes X No

Type:

Size:

Person(s) Seen: Ron Thomas

Signature of Inspector:

David H. Haire

James Wilbur

Edward A. Thamke

#2) Site Unlicensed

#5) Spreading and Compaction of Refuse Adequate (Rule 16.14.521(2)(a)) - All Class II sites using landfilling methods shall compact and cover solid waste with a layer of at least six (6) inches of approved cover material at the end of each operating day.

A small amount of waste near the junk vehicle graveyard area remains uncompacted and uncovered. This uncovered waste is probably the source of litter found scattered among the vehicles stored there (see #10 below).

#10) Other

The junk vehicle graveyard contained small amounts of paper, plastics, and cardboard. These Class II wastes should be removed from this area.

During our inspection, we discussed the closure plans with Ron Thomas. We remind you that the final cover requirements are a minimum of two (2) feet of approved cover material and "positive" drainage away from the site as specified in your closure plan.

FROM

DAMSCHEN & ASSOCIATES

2030 11th Avenue
P.O. Box 4817
HELENA, MONTANA 59604

(406) 449-8627

Jim Leibus

RECEIVED

NOV 26 1991

MONTANA DEPARTMENT OF HEALTH
AND ENVIRONMENTAL SCIENCES
SOLID AND HAZARDOUS WASTE BUREAU

*Message
Reply*

DATE:

11/25/91

FILE NO.

ATTENTION:

SUBJECT:

New Big Timber CF.

PRIORITY

- ☐ **URGENT!**
☐ **SOON AS POSSIBLE**
☒ **NO REPLY NEEDED**

MESSAGE

Ron Thomas & I were talking on the telephone today & he mentioned that you conducted an inspection of the site last week. He also indicated that you would like a plan sheet of how the landfill was actually constructed. I am enclosing a copy of my letter dated Sept 30, 1991, in which I enclosed a copy of the AS-Built drawing for the landfill. I assume you either misplaced it or it got lost in your interoffice mail system. Please call if you ~~need~~ need anything else.

SIGNED:

DATE OF REPLY:

REPLY TO:

Bury

REPLY

SIGNED:

SENDER: DETACH AND FILE FOR FOLLOW-UP

SIGNED:

[Handwritten signature]

DATE OF REPLY:

DATE OF REPLY:

SIGNED:

and nothing else.

Don Thomas & I were talking on the telephone today. He mentioned that you contacted an investigator of the site last week. He also indicated that you would like a photograph of how the facility was actually constructed. I am enclosing a copy of my letter dated Sept 30, 1991. In that I enclosed a copy of the A-011 drawing of the landfill. I assume you either misplaced it or it got lost in your extensive mail system. Please call it you ~~can~~ need anything else.

Jim Wilson

(406) 443-8257

DAMSCHEIN & ASSOCIATES
2030 11th Avenue
P.O. Box 4817
HELENA, MONTANA 59604

*Message
Reply*

11/5/91

DATE:

FILE NO:

ATTENTION:

SUBJECT:

New Big Timber Co.

PRIORITY

☐ URGENT

☐ SOON AS POSSIBLE

☒ NO REPLY NEEDED